

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121222\  
 Data File : BF131590.D  
 Acq On : 12 Dec 2022 13:23  
 Operator : CG\JU  
 Sample : PB149479BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB149479BL

Quant Time: Dec 13 04:13:58 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 13 04:12:13 2022  
 Response via : Initial Calibration

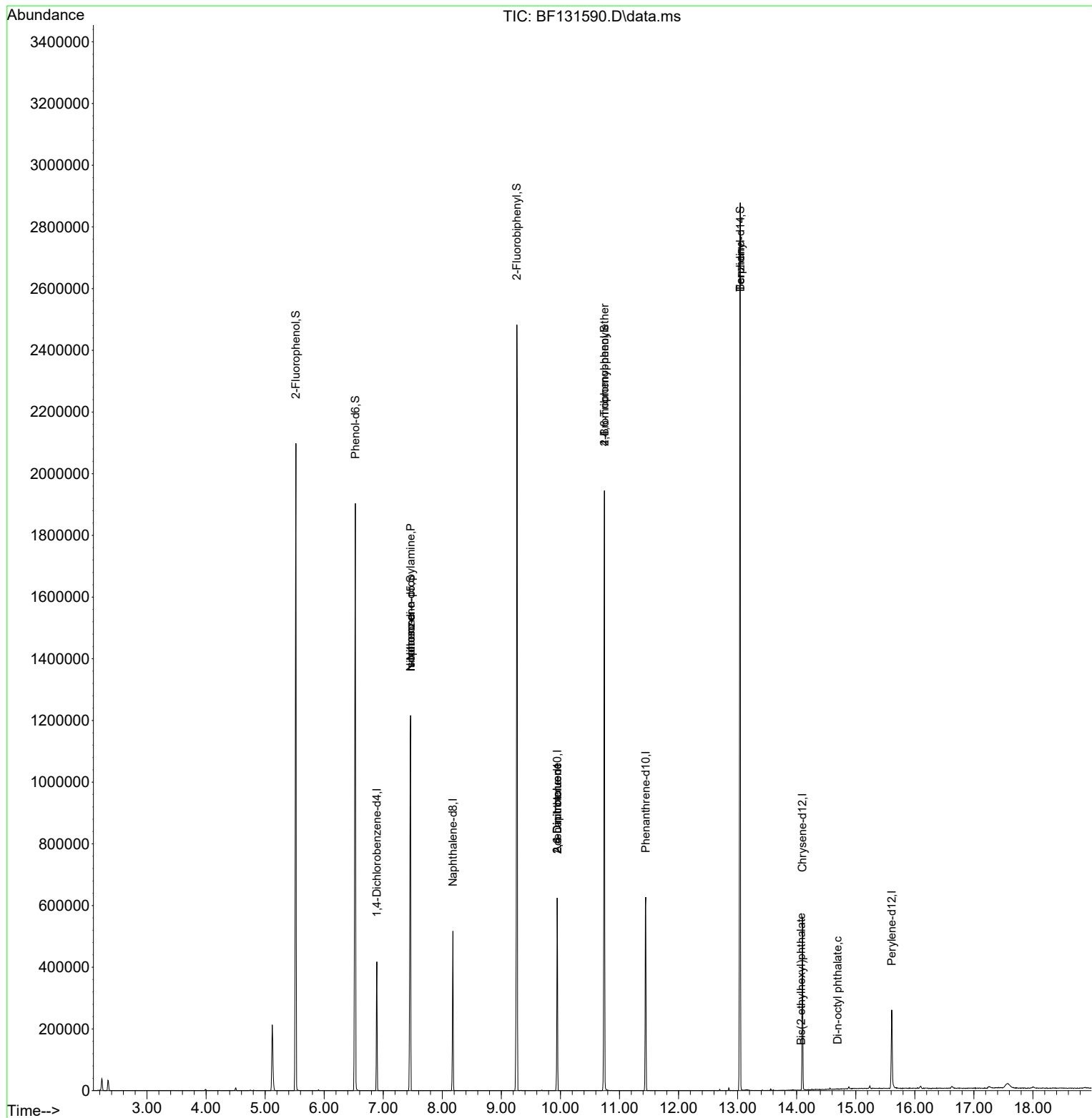
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 53753    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.181  | 136  | 203635   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.945  | 164  | 125213   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.445 | 188  | 238098   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.098 | 240  | 176466   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.609 | 264  | 122600   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 525446   | 163.078 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.528  | 99   | 666865   | 157.940 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.463  | 82   | 463144   | 85.987  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.745 | 330  | 201275   | 144.682 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.263  | 172  | 842904   | 84.879  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.045 | 244  | 1052922  | 81.828  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.463  | 70   | 65729    | 20.761  | ng    | # 76     |
| 25) Isophorone                | 7.463  | 82   | 463149   | 53.384  | ng    | # 69     |
| 51) 2,6-Dinitrotoluene        | 9.945  | 165  | 16123    | 8.182   | ng    | # 11     |
| 57) 2,4-Dinitrotoluene        | 9.945  | 165  | 16123    | 6.168   | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 10.745 | 248  | 13676    | 4.465   | ng    | # 1      |
| 77) Benzidine                 | 13.045 | 184  | 16172    | 3.420   | ng    | # 94     |
| 84) Bis(2-ethylhexyl)phtha... | 14.074 | 149  | 86       | 3.044   | ng    | # 54     |
| 85) Di-n-octyl phthalate      | 14.692 | 149  | 62       | 5.224   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

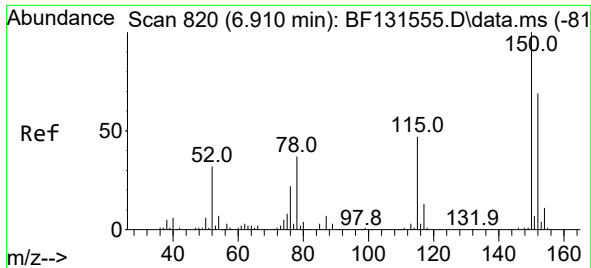
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121222\  
Data File : BF131590.D  
Acq On : 12 Dec 2022 13:23  
Operator : CG\JU  
Sample : PB149479BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BL

Quant Time: Dec 13 04:13:58 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 13 04:12:13 2022  
Response via : Initial Calibration

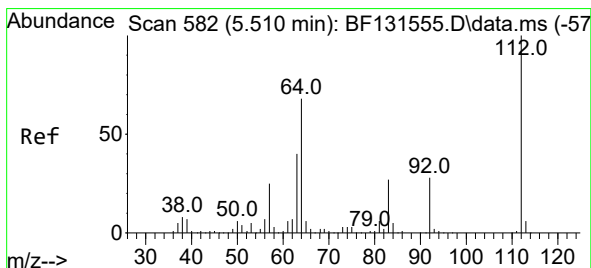
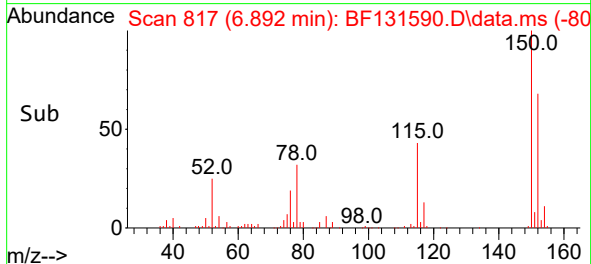
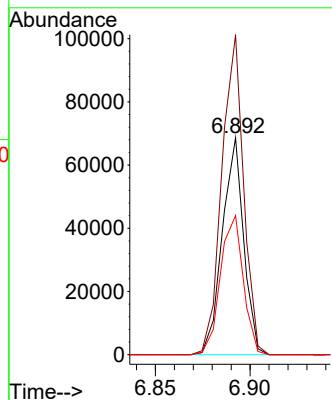
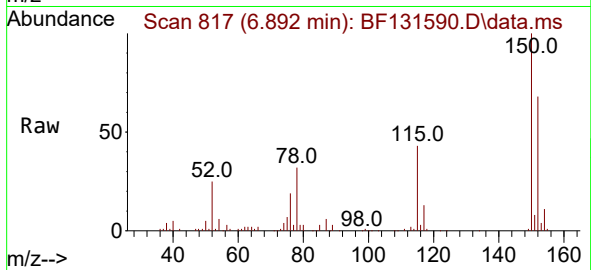




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF131590.D  
Acq: 12 Dec 2022 13:23

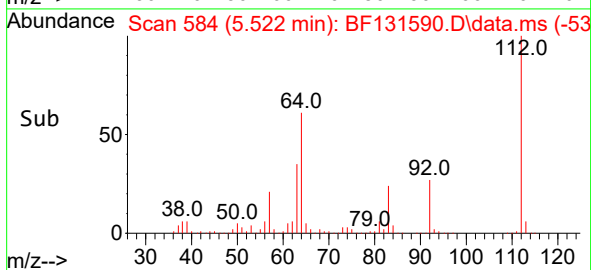
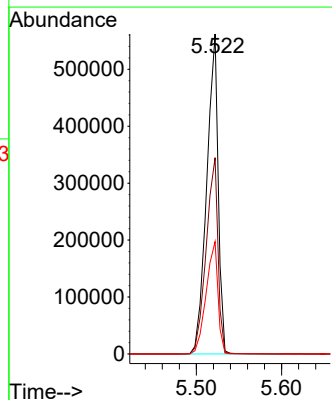
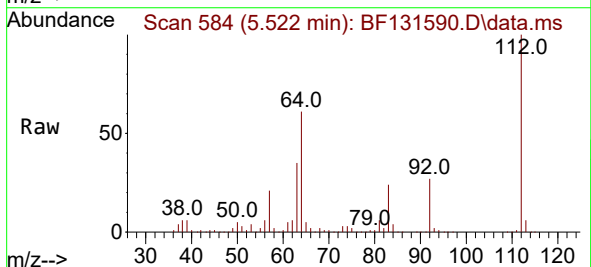
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BL

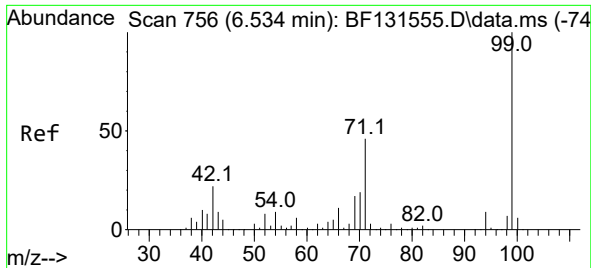
Tgt Ion:152 Resp: 53753  
Ion Ratio Lower Upper  
152 100  
150 147.3 116.7 175.1  
115 64.0 54.6 82.0



#5  
2-Fluorophenol  
Concen: 163.078 ng  
RT: 5.522 min Scan# 584  
Delta R.T. 0.012 min  
Lab File: BF131590.D  
Acq: 12 Dec 2022 13:23

Tgt Ion:112 Resp: 525446  
Ion Ratio Lower Upper  
112 100  
64 61.4 54.5 81.7  
63 35.1 31.9 47.9

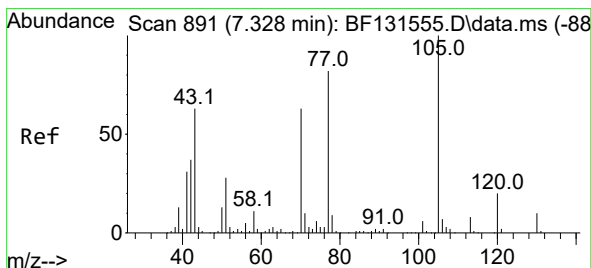
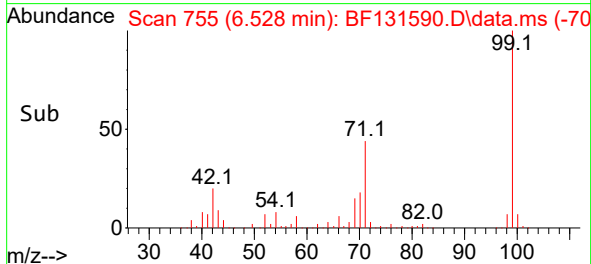
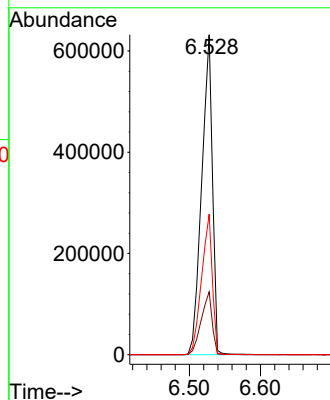
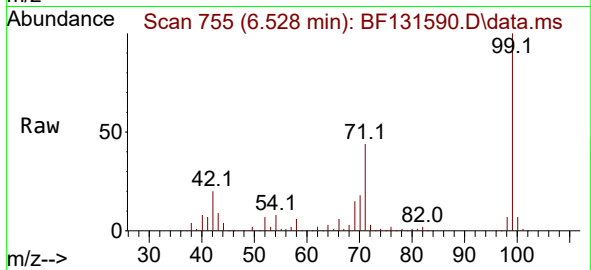




#7  
Phenol-d6  
Concen: 157.940 ng  
RT: 6.528 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF131590.D  
Acq: 12 Dec 2022 13:23

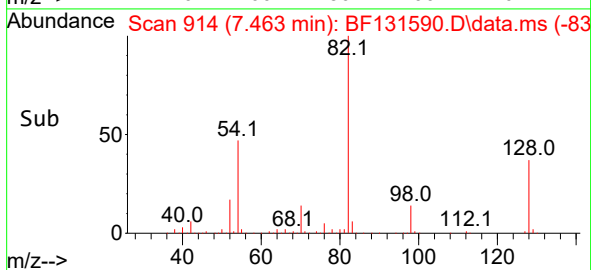
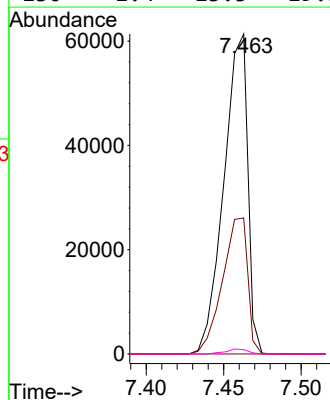
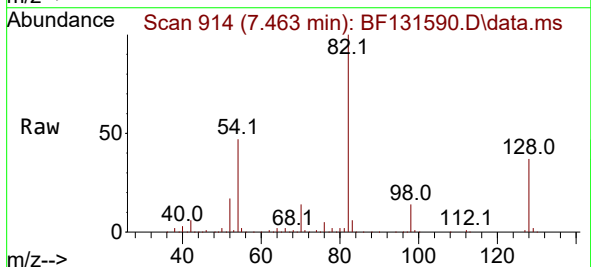
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BL

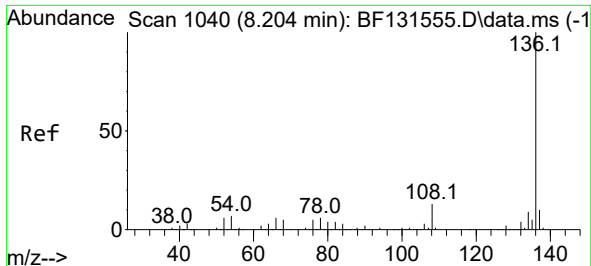
Tgt Ion: 99 Resp: 666865  
Ion Ratio Lower Upper  
99 100  
42 19.7 17.9 26.9  
71 43.9 37.2 55.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 20.761 ng  
RT: 7.463 min Scan# 914  
Delta R.T. 0.147 min  
Lab File: BF131590.D  
Acq: 12 Dec 2022 13:23

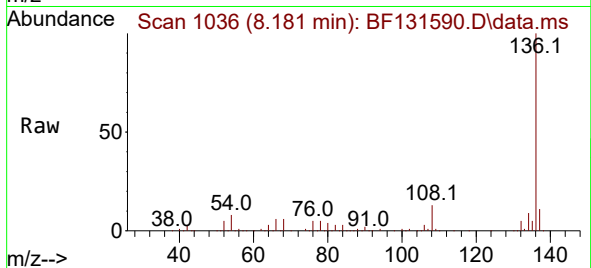
Tgt Ion: 70 Resp: 65729  
Ion Ratio Lower Upper  
70 100  
42 42.5 46.4 69.6#  
101 0.0 7.2 10.8#  
130 1.4 13.3 19.9#



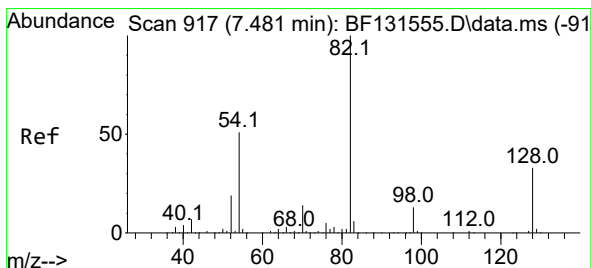
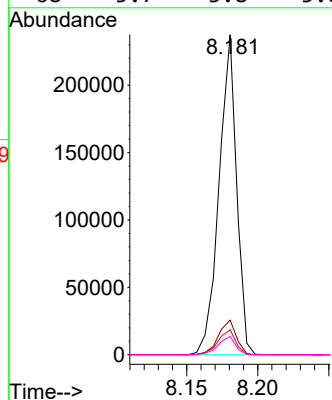
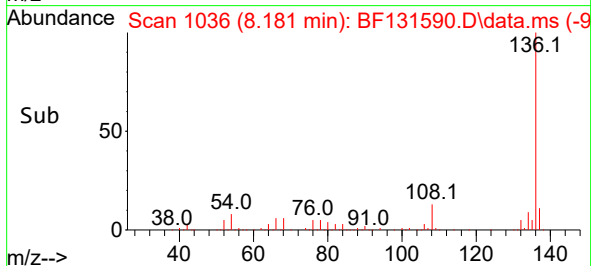


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.181 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: BF131590.D  
Acq: 12 Dec 2022 13:23

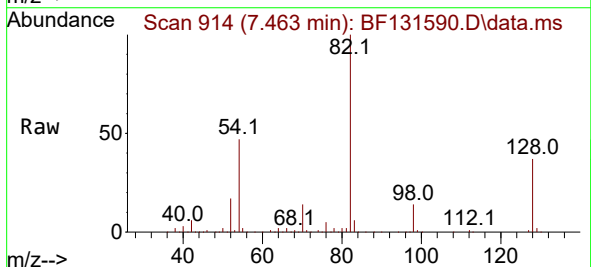
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BL



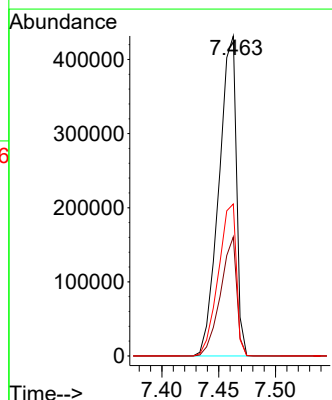
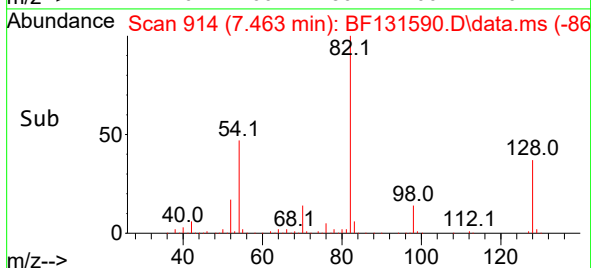
Tgt Ion:136 Resp: 203635  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.1 12.1  
54 7.8 6.0 9.0  
68 5.7 3.8 5.8

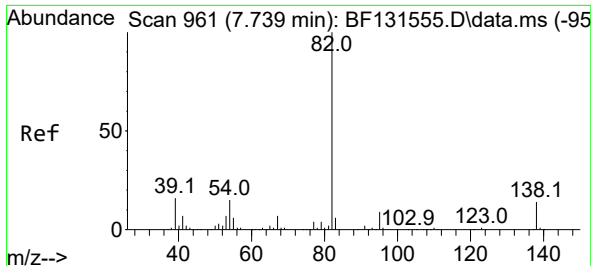


#23  
Nitrobenzene-d5  
Concen: 85.987 ng  
RT: 7.463 min Scan# 914  
Delta R.T. -0.006 min  
Lab File: BF131590.D  
Acq: 12 Dec 2022 13:23



Tgt Ion: 82 Resp: 463144  
Ion Ratio Lower Upper  
82 100  
128 37.2 26.1 39.1  
54 47.5 40.6 60.8

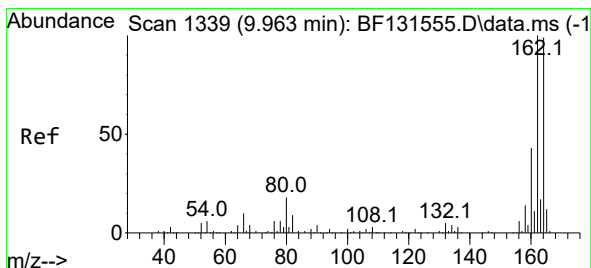
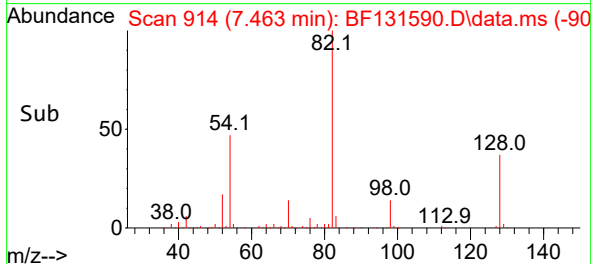
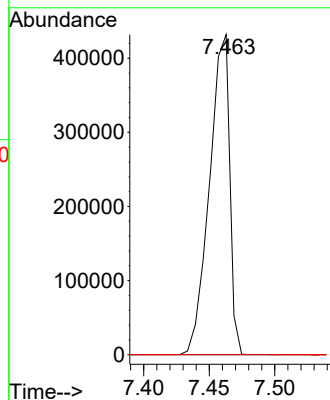
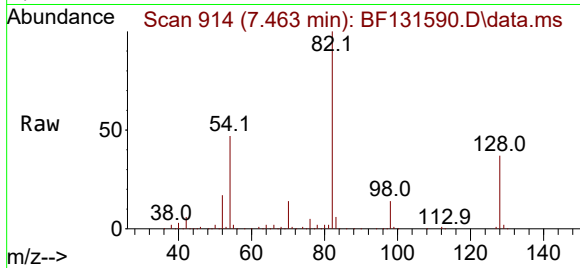




#25  
Isophorone  
Concen: 53.384 ng  
RT: 7.463 min Scan# 91  
Delta R.T. -0.259 min  
Lab File: BF131590.D  
Acq: 12 Dec 2022 13:23

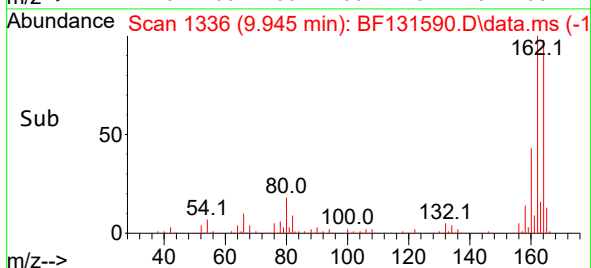
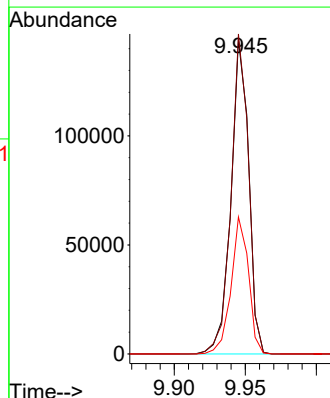
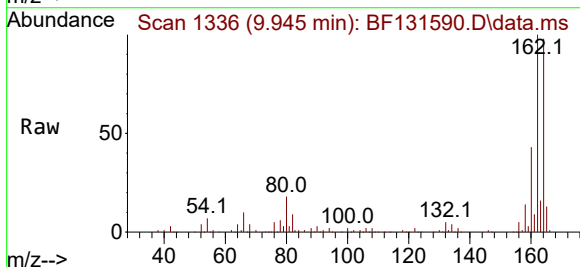
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BL

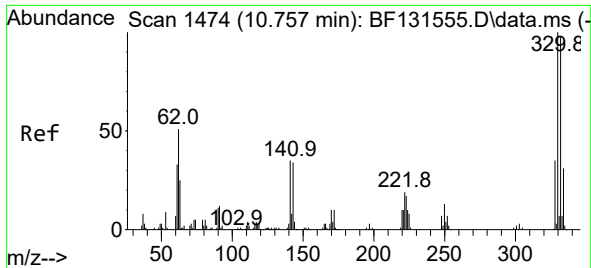
Tgt Ion: 82 Resp: 463149  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.9 10.3#  
138 0.0 11.4 17.0#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.945 min Scan# 1336  
Delta R.T. -0.006 min  
Lab File: BF131590.D  
Acq: 12 Dec 2022 13:23

Tgt Ion:164 Resp: 125213  
Ion Ratio Lower Upper  
164 100  
162 102.0 81.0 121.6  
160 43.6 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 144.682 ng

RT: 10.745 min Scan# 1474

Delta R.T. -0.006 min

Lab File: BF131590.D

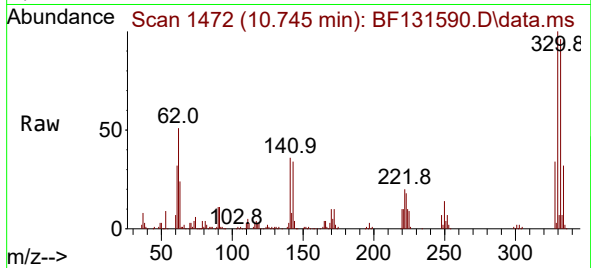
Acq: 12 Dec 2022 13:23

Instrument :

BNA\_F

ClientSampleId :

PB149479BL



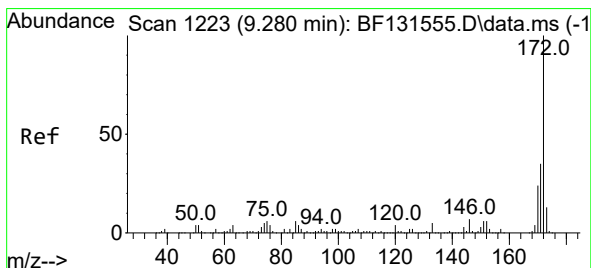
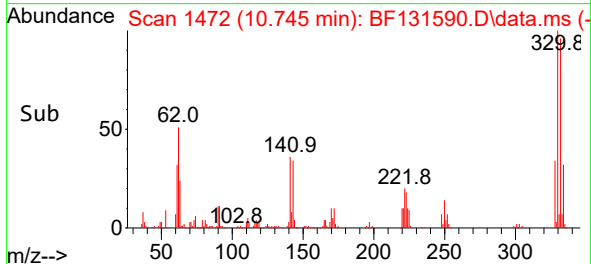
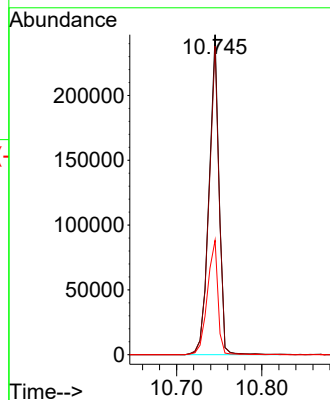
Tgt Ion:330 Resp: 201275

Ion Ratio Lower Upper

330 100

332 97.4 78.3 117.5

141 37.5 32.6 49.0



#45

2-Fluorobiphenyl

Concen: 84.879 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF131590.D

Acq: 12 Dec 2022 13:23

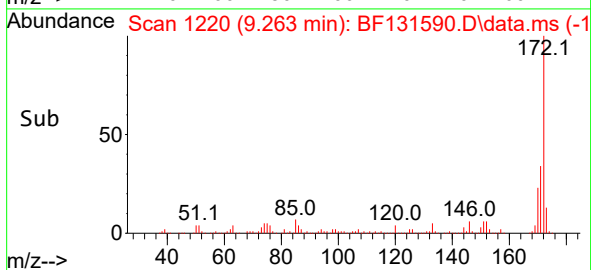
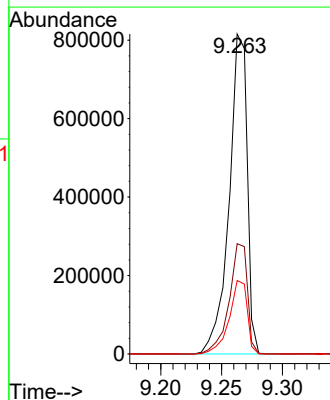
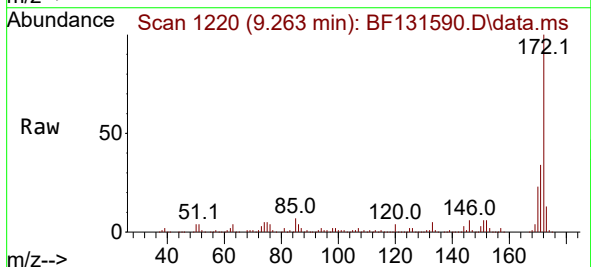
Tgt Ion:172 Resp: 842904

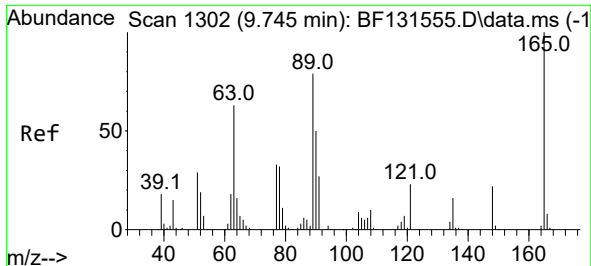
Ion Ratio Lower Upper

172 100

171 34.5 28.3 42.5

170 22.9 19.3 28.9

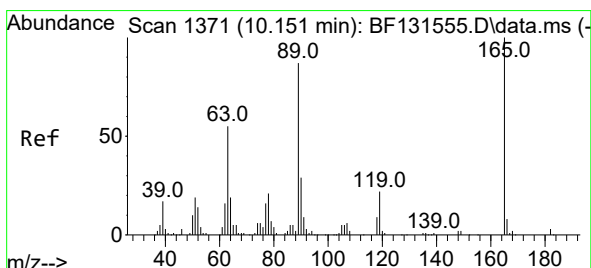
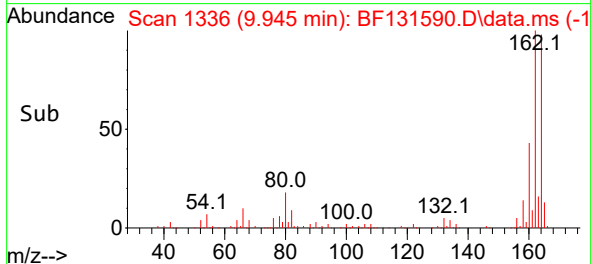
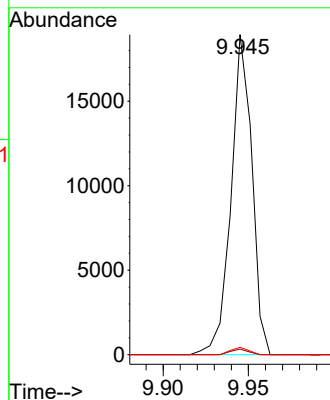
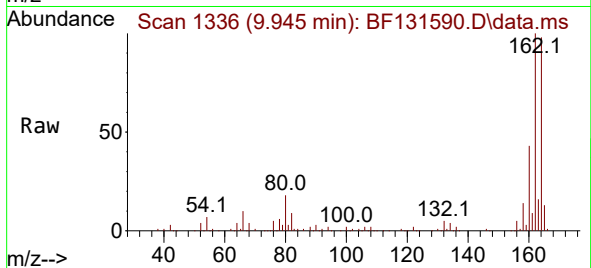




#51  
2,6-Dinitrotoluene  
Concen: 8.182 ng  
RT: 9.945 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF131590.D  
Acq: 12 Dec 2022 13:23

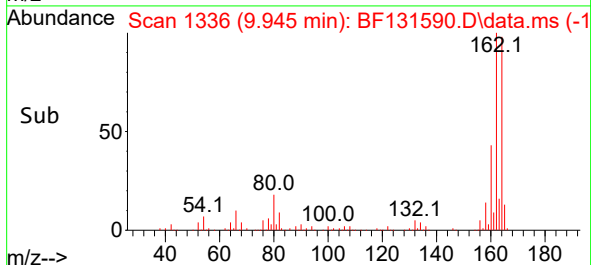
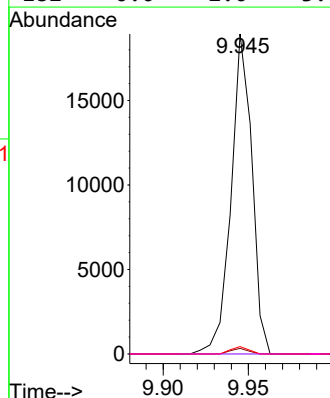
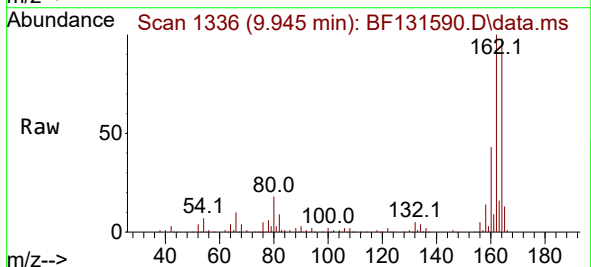
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BL

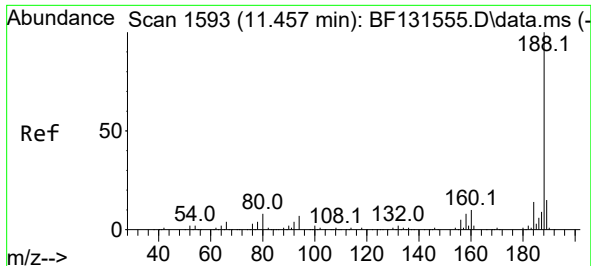
Tgt Ion:165 Resp: 16123  
Ion Ratio Lower Upper  
165 100  
63 1.7 67.9 101.9#  
89 2.3 63.2 94.8#



#57  
2,4-Dinitrotoluene  
Concen: 6.168 ng  
RT: 9.945 min Scan# 1336  
Delta R.T. -0.200 min  
Lab File: BF131590.D  
Acq: 12 Dec 2022 13:23

Tgt Ion:165 Resp: 16123  
Ion Ratio Lower Upper  
165 100  
63 1.7 44.4 66.6#  
89 2.3 69.6 104.4#  
182 0.0 2.0 3.0#

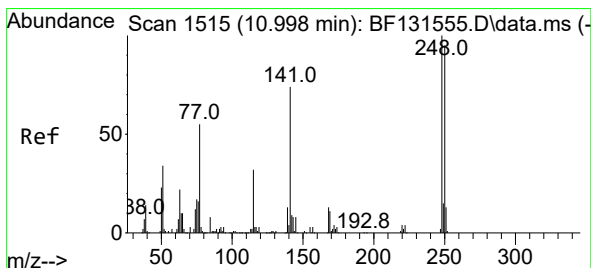
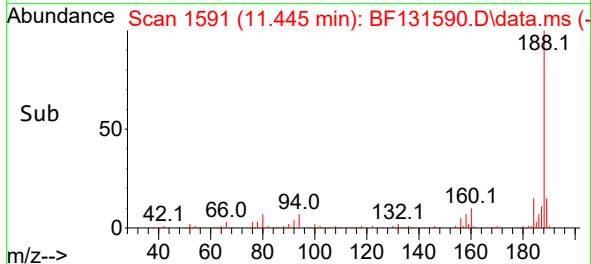
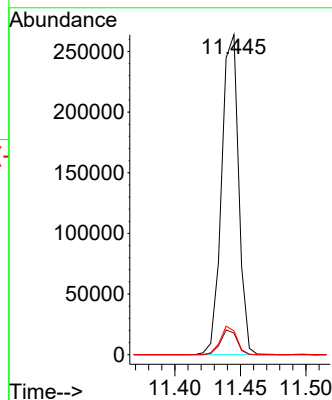
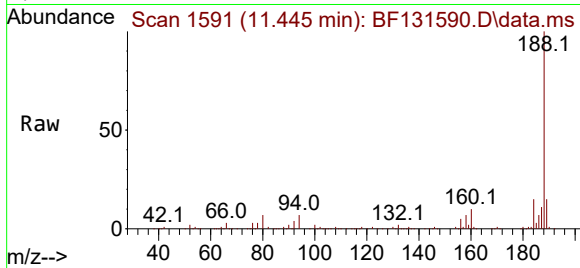




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.445 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF131590.D  
Acq: 12 Dec 2022 13:23

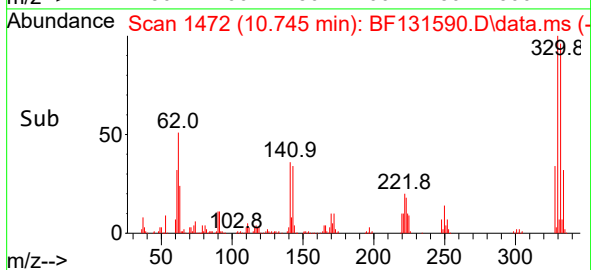
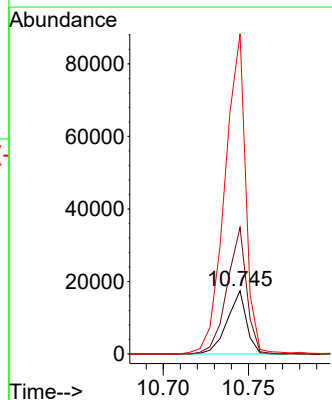
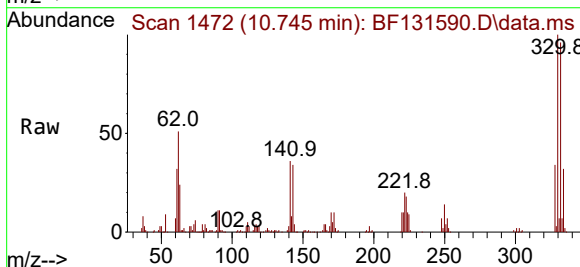
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BL

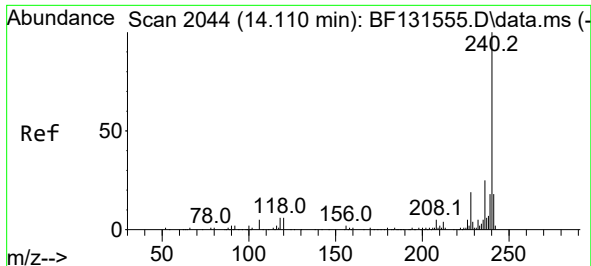
Tgt Ion:188 Resp: 238098  
Ion Ratio Lower Upper  
188 100  
94 6.7 5.5 8.3  
80 7.4 6.6 10.0



#67  
4-Bromophenyl-phenylether  
Concen: 4.465 ng  
RT: 10.745 min Scan# 1472  
Delta R.T. -0.247 min  
Lab File: BF131590.D  
Acq: 12 Dec 2022 13:23

Tgt Ion:248 Resp: 13676  
Ion Ratio Lower Upper  
248 100  
250 200.5 76.2 114.2#  
141 506.6 59.5 89.3#

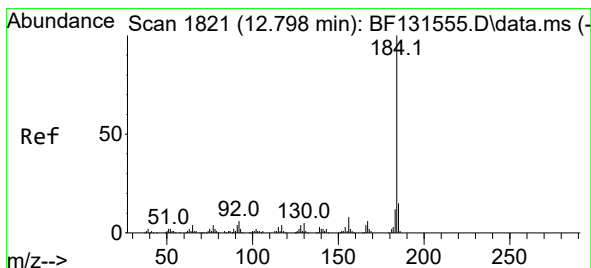
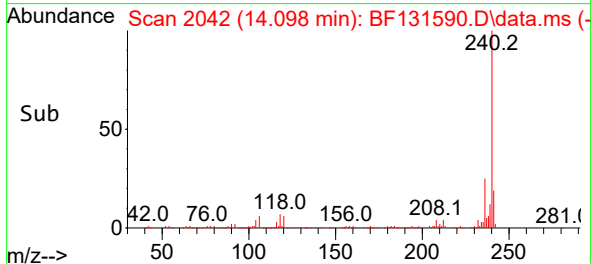
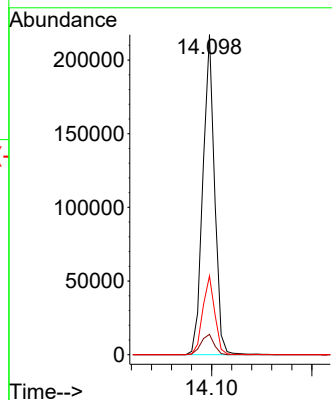
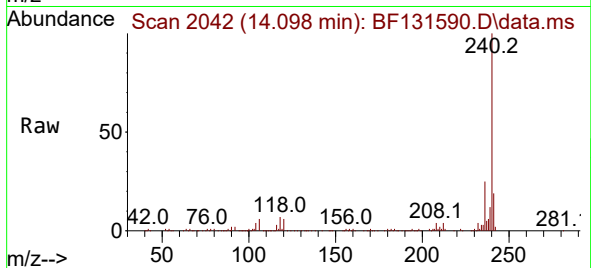




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.098 min Scan# 2044  
Delta R.T. -0.006 min  
Lab File: BF131590.D  
Acq: 12 Dec 2022 13:23

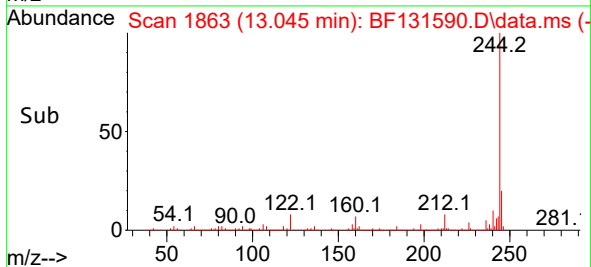
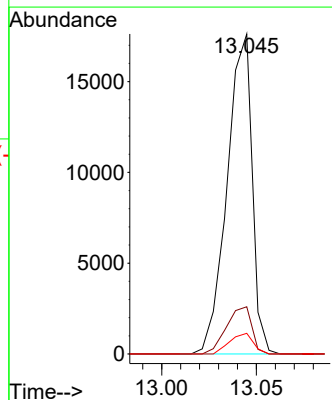
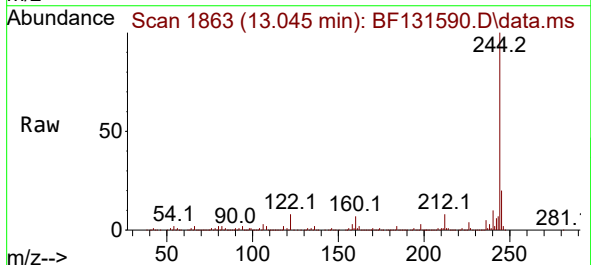
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BL

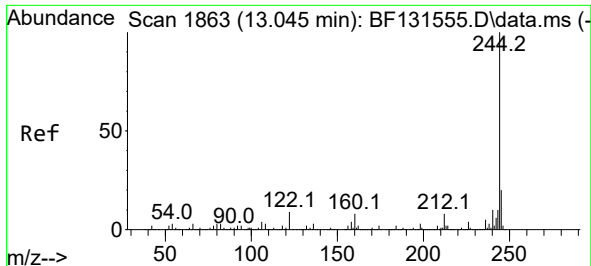
Tgt Ion:240 Resp: 176466  
Ion Ratio Lower Upper  
240 100  
120 6.3 4.6 7.0  
236 24.6 20.2 30.2



#77  
Benzidine  
Concen: 3.420 ng  
RT: 13.045 min Scan# 1863  
Delta R.T. 0.253 min  
Lab File: BF131590.D  
Acq: 12 Dec 2022 13:23

Tgt Ion:184 Resp: 16172  
Ion Ratio Lower Upper  
184 100  
185 14.7 12.2 18.2  
183 6.5 9.3 13.9#

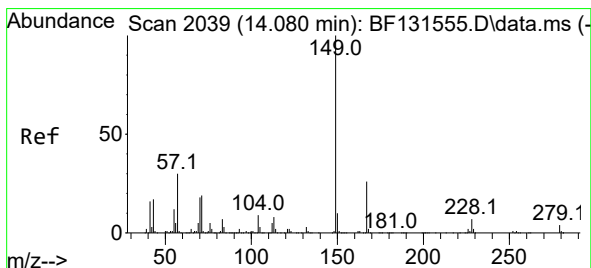
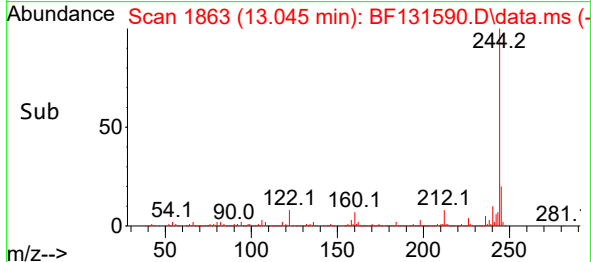
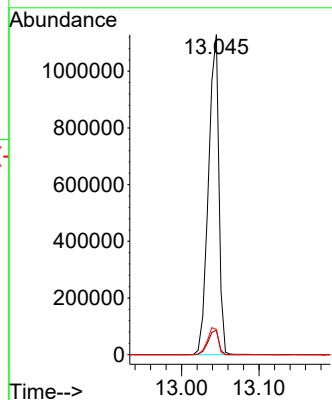
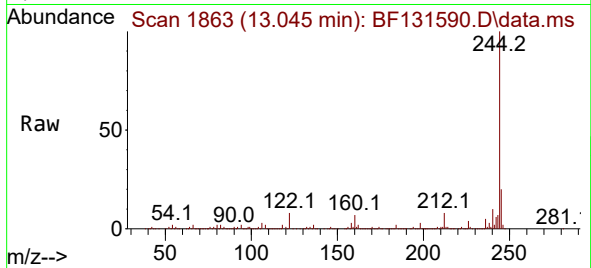




#79  
 Terphenyl-d14  
 Concen: 81.828 ng  
 RT: 13.045 min Scan# 1863  
 Delta R.T. -0.000 min  
 Lab File: BF131590.D  
 Acq: 12 Dec 2022 13:23

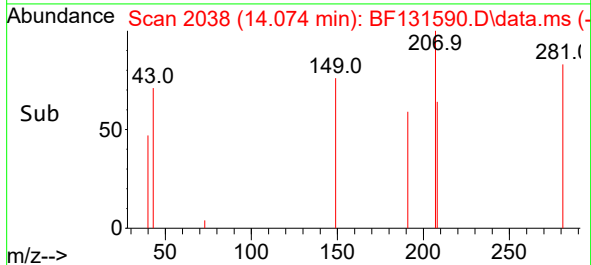
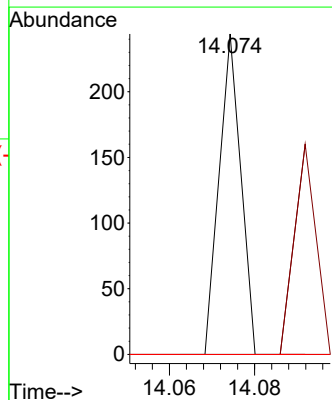
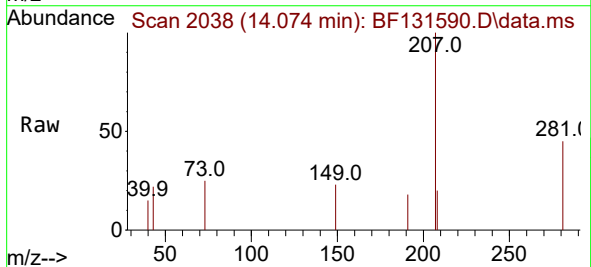
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB149479BL

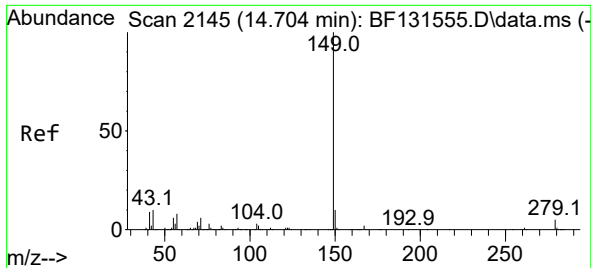
Tgt Ion:244 Resp: 1052922  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.5 9.7  
 122 7.9 7.1 10.7



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.044 ng  
 RT: 14.074 min Scan# 2038  
 Delta R.T. -0.006 min  
 Lab File: BF131590.D  
 Acq: 12 Dec 2022 13:23

Tgt Ion:149 Resp: 86  
 Ion Ratio Lower Upper  
 149 100  
 167 0.0 20.8 31.2#  
 279 0.0 3.3 4.9#

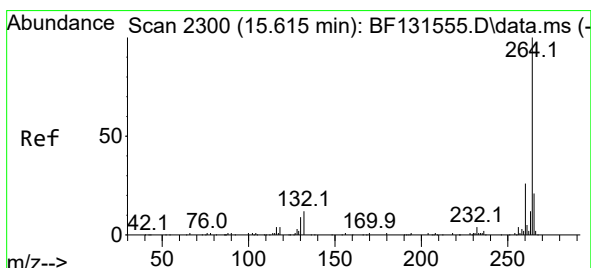
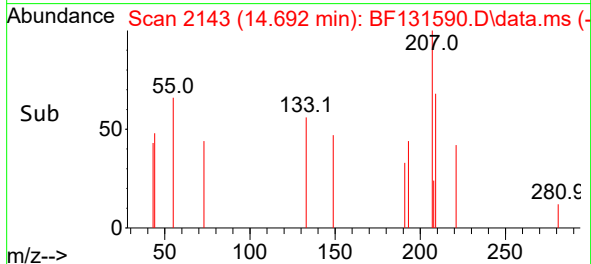
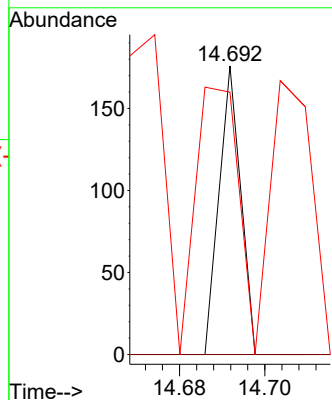
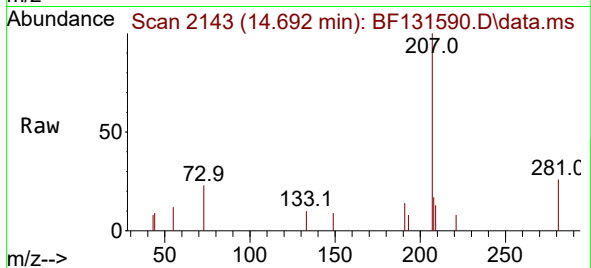




#85  
Di-n-octyl phthalate  
Concen: 5.224 ng  
RT: 14.692 min Scan# 2143  
Delta R.T. -0.006 min  
Lab File: BF131590.D  
Acq: 12 Dec 2022 13:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BL

Tgt Ion:149 Resp: 62  
Ion Ratio Lower Upper  
149 100  
167 0.0 1.2 1.8#  
43 183.9 8.6 13.0#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.609 min Scan# 2299  
Delta R.T. -0.006 min  
Lab File: BF131590.D  
Acq: 12 Dec 2022 13:23

Tgt Ion:264 Resp: 122600  
Ion Ratio Lower Upper  
264 100  
260 23.7 20.6 30.8  
265 21.0 16.8 25.2

