

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081422\  
 Data File : BF129778.D  
 Acq On : 14 Aug 2022 23:32  
 Operator : CG\JU  
 Sample : PB146737BL  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB146737BL

Quant Time: Aug 15 03:03:45 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 15 02:28:31 2022  
 Response via : Initial Calibration

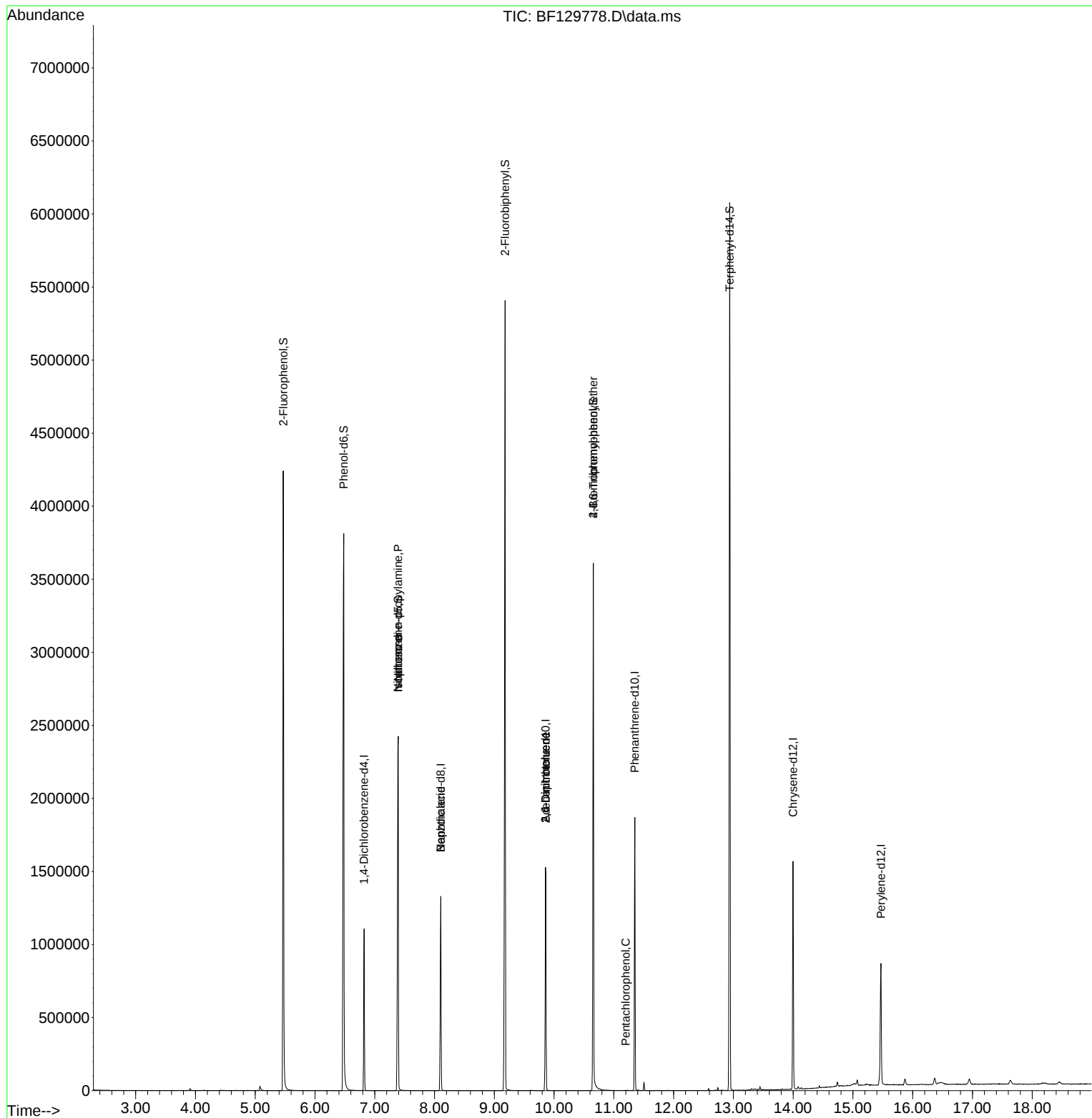
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 157409   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 634912   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 350660   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.351 | 188  | 633705   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 13.998 | 240  | 487301   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.468 | 264  | 364299   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 1148603  | 120.815   | ng     | 0.00     |
| 7) Phenol-d6                  | 6.481  | 99   | 1457979  | 122.462   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.392  | 82   | 934665   | 78.805    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 432383   | 122.857   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 1793443  | 77.679    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.939 | 244  | 2169959  | 74.095    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.475  | 77   | 2258     | Below Cal | #      | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.392  | 70   | 126075   | 16.753    | ng     | # 75     |
| 25) Isophorone                | 7.392  | 82   | 934655   | 45.786    | ng     | # 65     |
| 32) Benzoic acid              | 8.104  | 122  | 213      | 2.223     | ng     | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.857  | 165  | 45306    | 8.309     | ng     | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.857  | 165  | 45306    | 6.400     | ng     | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.657 | 248  | 26666    | 3.593     | ng     | # 1      |
| 70) Pentachlorophenol         | 11.198 | 266  | 57       | 5.204     | ng     | # 20     |
| 77) Benzidine                 | 12.692 | 184  | 2493     | Below Cal | #      | 84       |
| -----                         |        |      |          |           |        |          |

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

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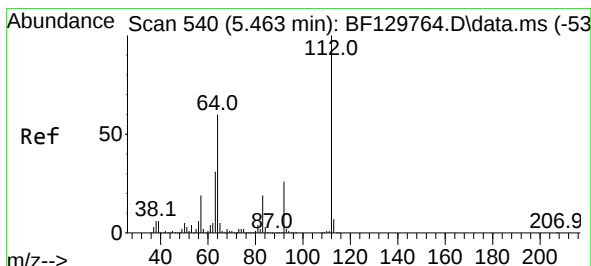
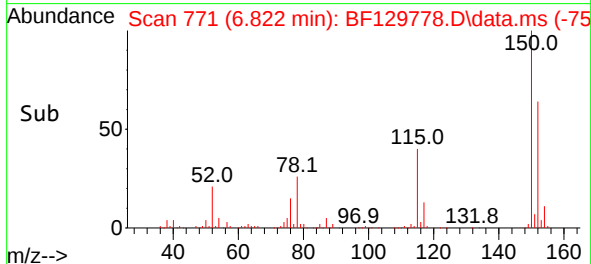
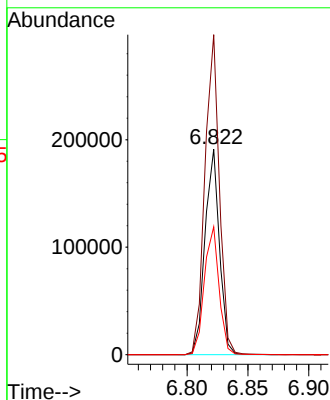
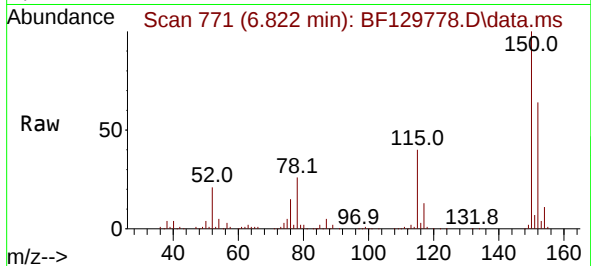




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 771  
Delta R.T. -0.000 min  
Lab File: BF129778.D  
Acq: 14 Aug 2022 23:32

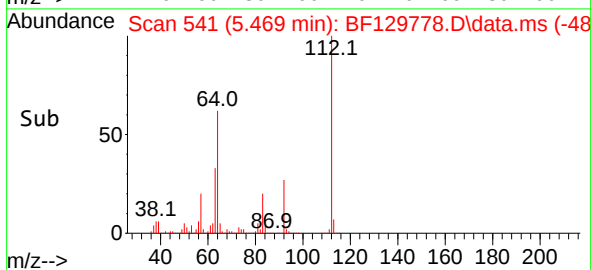
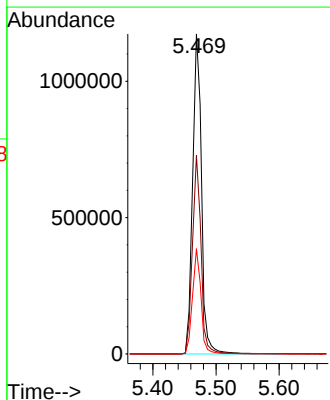
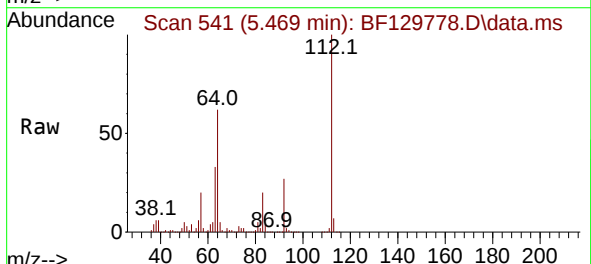
Instrument :  
BNA\_F  
ClientSampleId :  
PB146737BL

Tgt Ion:152 Resp: 157409  
Ion Ratio Lower Upper  
152 100  
150 155.8 126.9 190.3  
115 62.3 53.4 80.0



#5  
2-Fluorophenol  
Concen: 120.815 ng  
RT: 5.469 min Scan# 541  
Delta R.T. 0.006 min  
Lab File: BF129778.D  
Acq: 14 Aug 2022 23:32

Tgt Ion:112 Resp: 1148603  
Ion Ratio Lower Upper  
112 100  
64 62.0 47.6 71.4  
63 32.9 24.6 37.0

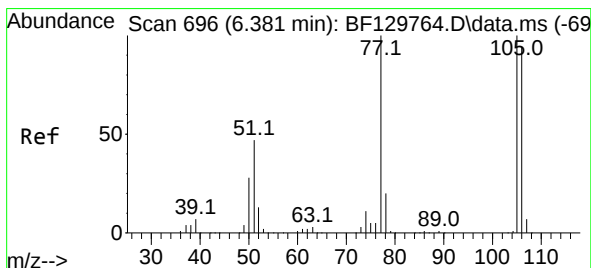
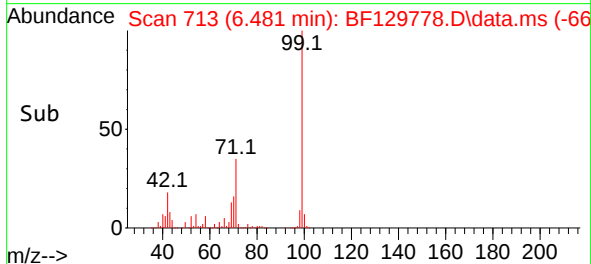
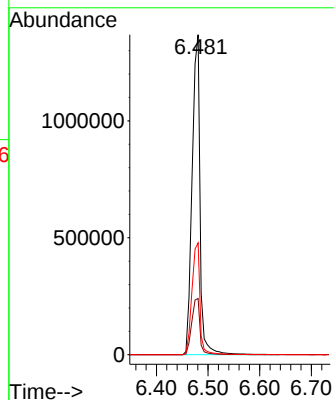
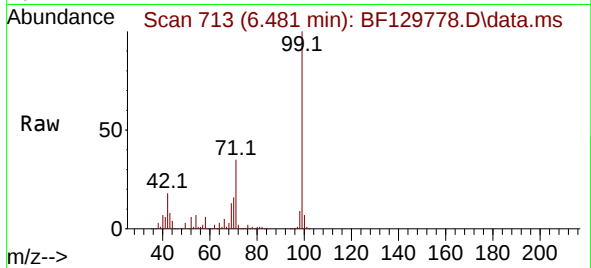




#7  
Phenol-d6  
Concen: 122.462 ng  
RT: 6.481 min Scan# 712  
Delta R.T. -0.000 min  
Lab File: BF129778.D  
Acq: 14 Aug 2022 23:32

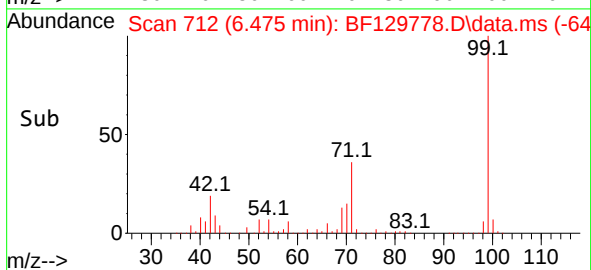
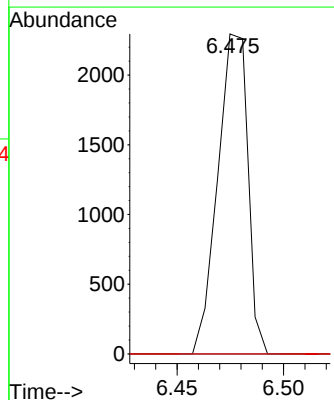
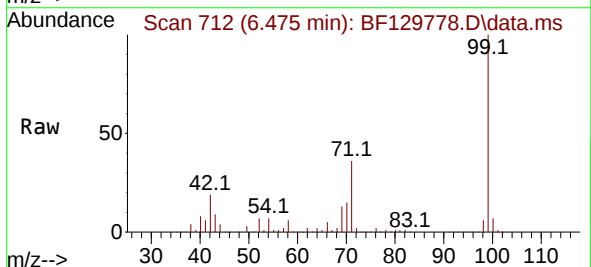
Instrument :  
BNA\_F  
ClientSampleId :  
PB146737BL

Tgt Ion: 99 Resp: 1457979  
Ion Ratio Lower Upper  
99 100  
42 17.6 15.0 22.4  
71 35.0 28.8 43.2



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.475 min Scan# 712  
Delta R.T. 0.094 min  
Lab File: BF129778.D  
Acq: 14 Aug 2022 23:32

Tgt Ion: 77 Resp: 2258  
Ion Ratio Lower Upper  
77 100  
105 0.0 80.3 120.3#  
106 0.0 74.3 114.3#

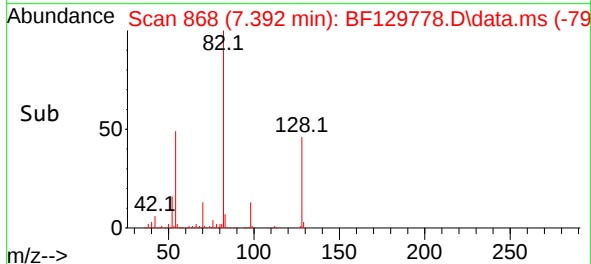
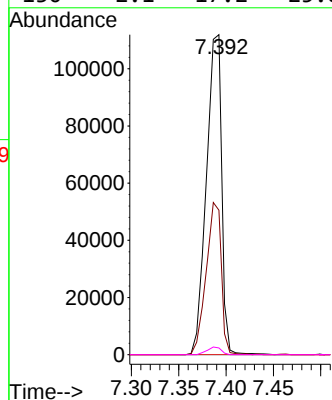
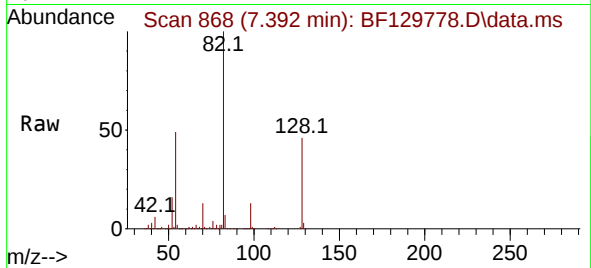




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.753 ng  
RT: 7.392 min Scan# 80  
Delta R.T. 0.153 min  
Lab File: BF129778.D  
Acq: 14 Aug 2022 23:32

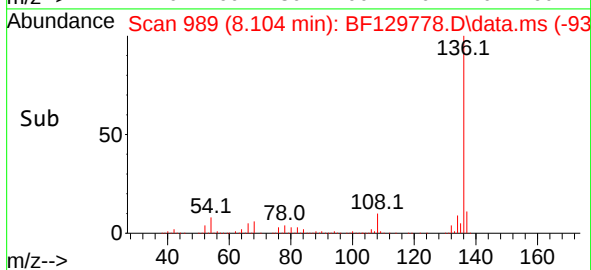
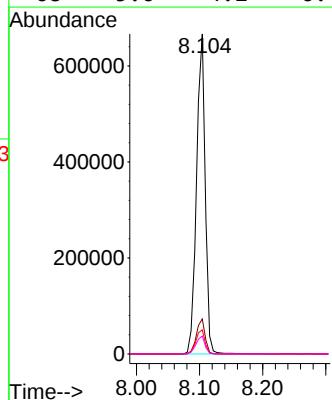
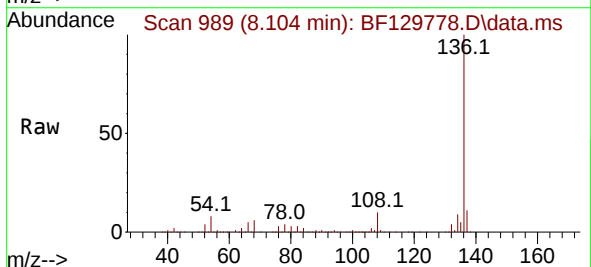
Instrument :  
BNA\_F  
ClientSampleId :  
PB146737BL

Tgt Ion: 70 Resp: 126075  
Ion Ratio Lower Upper  
70 100  
42 45.1 47.6 71.4#  
101 0.0 8.1 12.1#  
130 2.1 17.2 25.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 989  
Delta R.T. -0.006 min  
Lab File: BF129778.D  
Acq: 14 Aug 2022 23:32

Tgt Ion:136 Resp: 634912  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.4 12.6  
54 7.5 6.2 9.2  
68 5.6 4.2 6.4

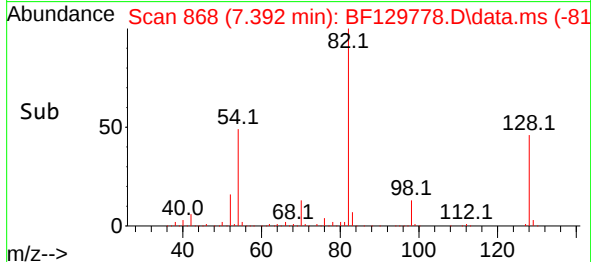
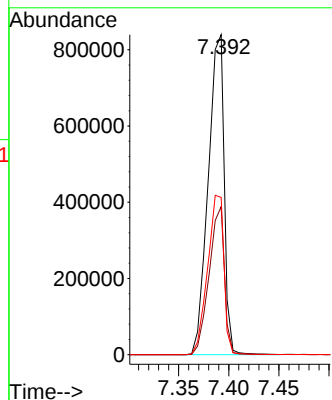
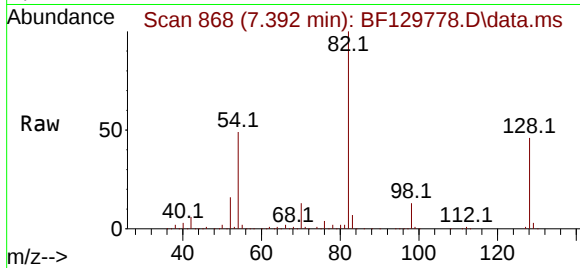




#23  
Nitrobenzene-d5  
Concen: 78.805 ng  
RT: 7.392 min Scan# 868  
Delta R.T. -0.006 min  
Lab File: BF129778.D  
Acq: 14 Aug 2022 23:32

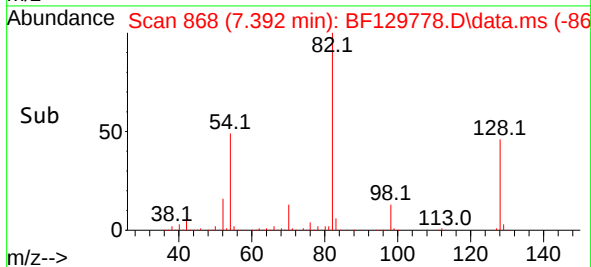
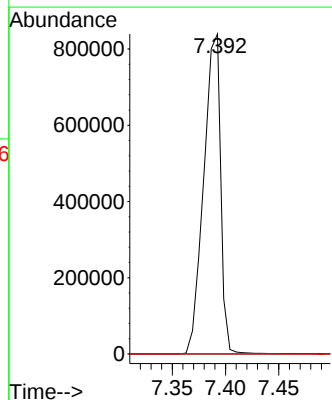
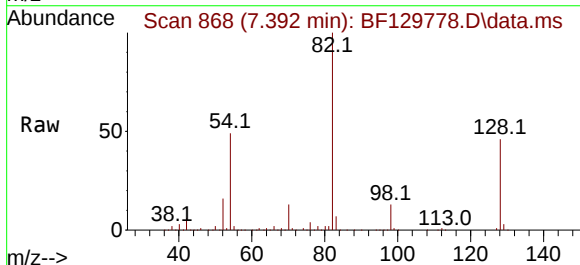
Instrument :  
BNA\_F  
ClientSampleId :  
PB146737BL

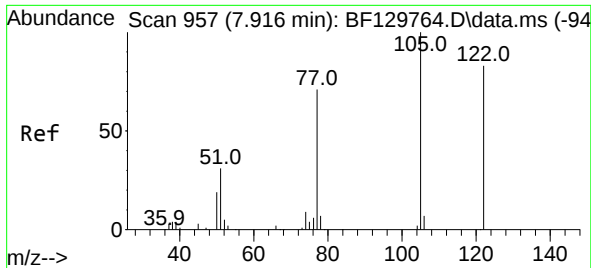
Tgt Ion: 82 Resp: 934665  
Ion Ratio Lower Upper  
82 100  
128 46.3 36.1 54.1  
54 49.1 40.0 60.0



#25  
Isophorone  
Concen: 45.786 ng  
RT: 7.392 min Scan# 868  
Delta R.T. -0.259 min  
Lab File: BF129778.D  
Acq: 14 Aug 2022 23:32

Tgt Ion: 82 Resp: 934655  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.6 21.8#

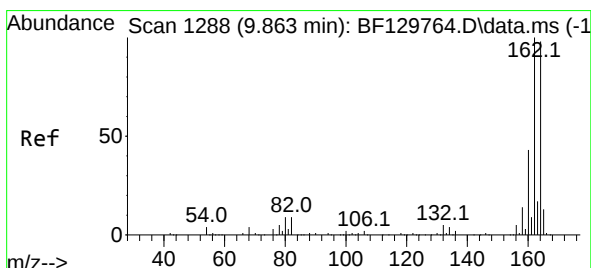
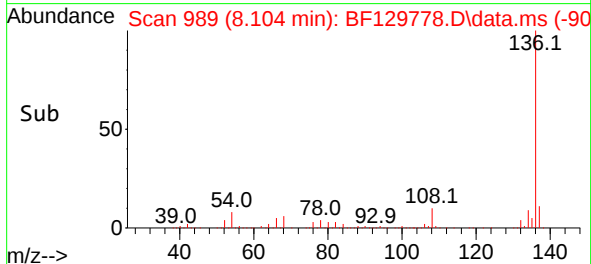
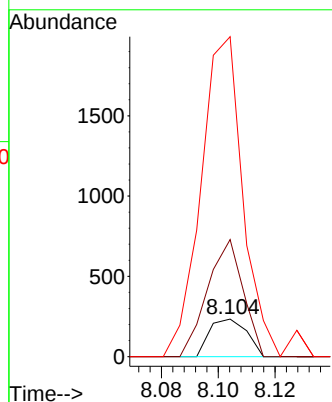
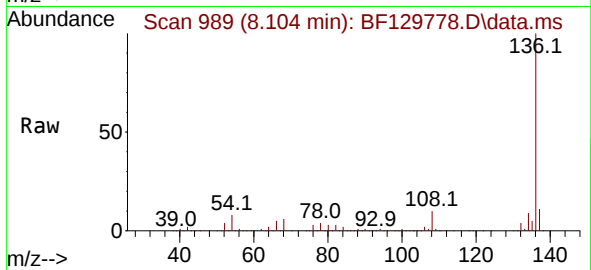




#32  
Benzoic acid  
Concen: 2.223 ng  
RT: 8.104 min Scan# 91  
Delta R.T. 0.188 min  
Lab File: BF129778.D  
Acq: 14 Aug 2022 23:32

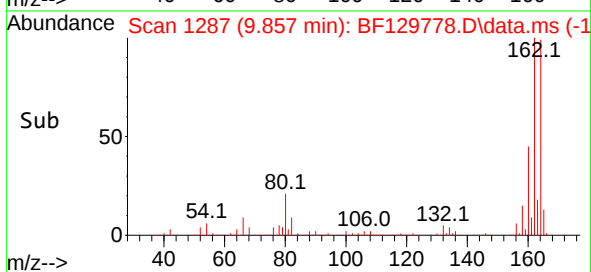
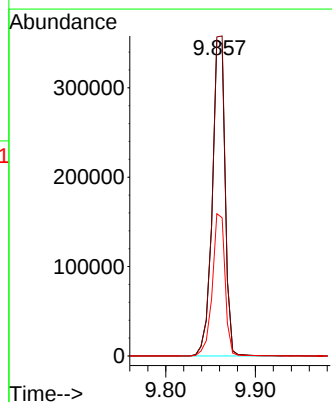
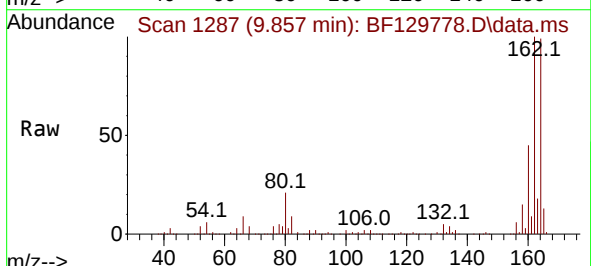
Instrument :  
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ClientSampleId :  
PB146737BL

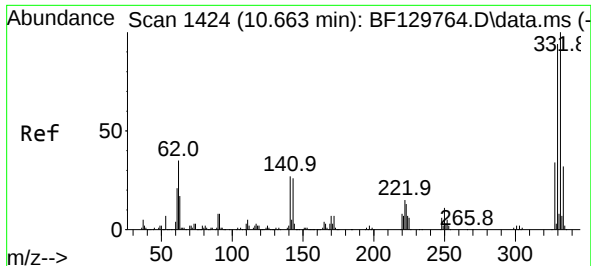
Tgt Ion:122 Resp: 213  
Ion Ratio Lower Upper  
122 100  
105 311.5 99.9 139.9#  
77 851.7 65.9 105.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.857 min Scan# 1287  
Delta R.T. -0.006 min  
Lab File: BF129778.D  
Acq: 14 Aug 2022 23:32

Tgt Ion:164 Resp: 350660  
Ion Ratio Lower Upper  
164 100  
162 101.0 82.0 123.0  
160 45.1 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 122.857 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF129778.D

Acq: 14 Aug 2022 23:32

Instrument :

BNA\_F

ClientSampleId :

PB146737BL

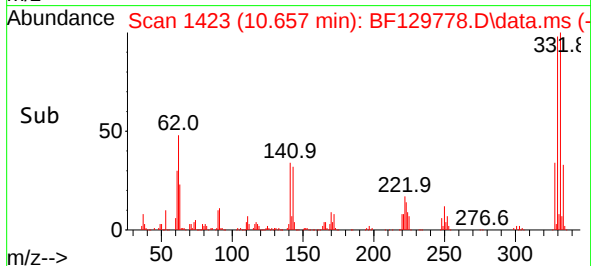
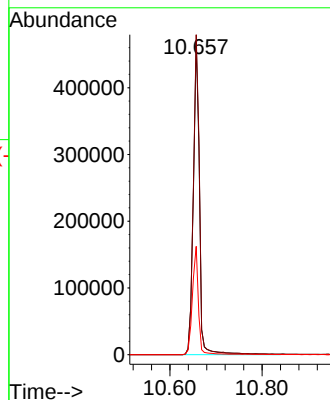
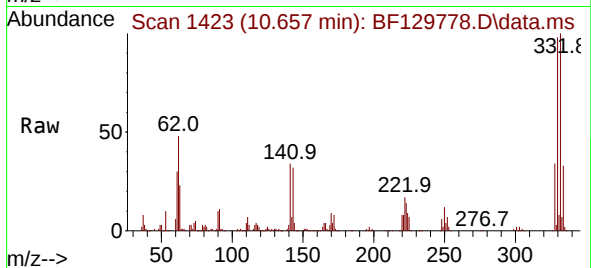
Tgt Ion:330 Resp: 432383

Ion Ratio Lower Upper

330 100

332 102.6 82.6 124.0

141 33.8 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 77.679 ng

RT: 9.181 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF129778.D

Acq: 14 Aug 2022 23:32

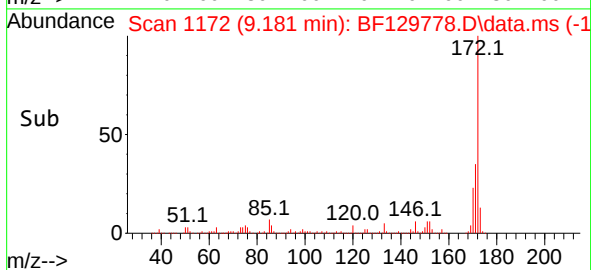
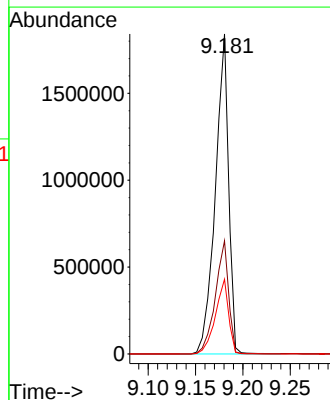
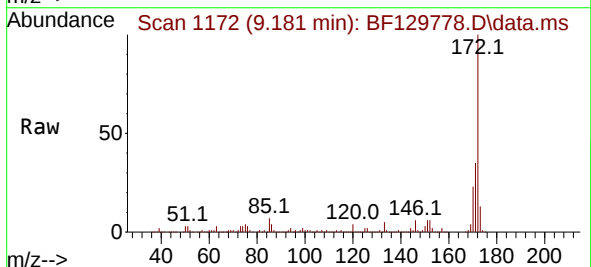
Tgt Ion:172 Resp: 1793443

Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 23.3 19.1 28.7

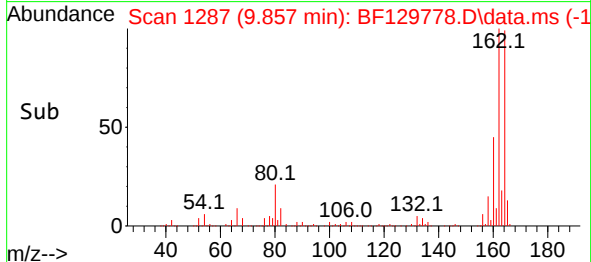
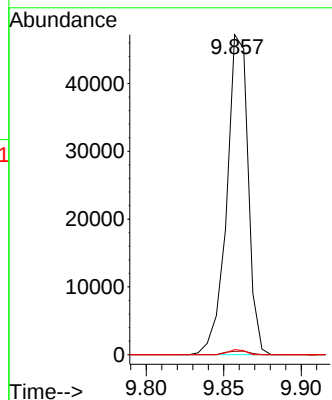
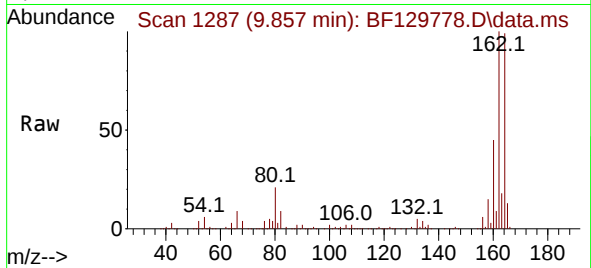




#51  
2,6-Dinitrotoluene  
Concen: 8.309 ng  
RT: 9.857 min Scan# 1287  
Delta R.T. 0.200 min  
Lab File: BF129778.D  
Acq: 14 Aug 2022 23:32

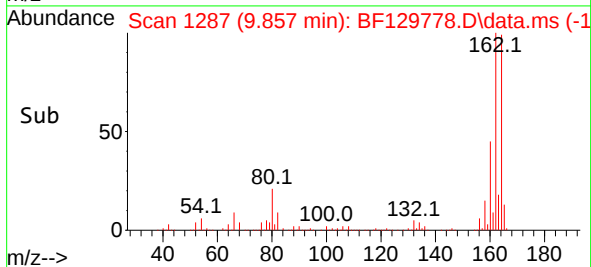
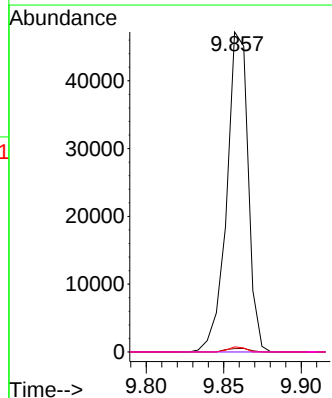
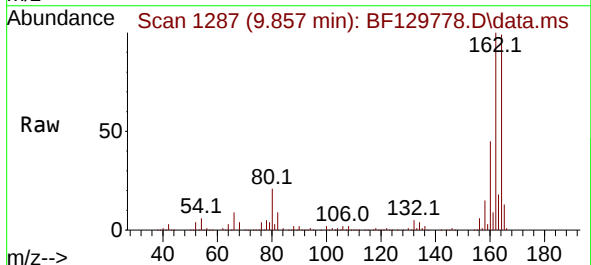
Instrument :  
BNA\_F  
ClientSampleId :  
PB146737BL

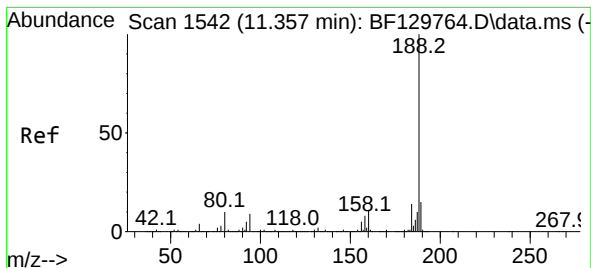
Tgt Ion:165 Resp: 45306  
Ion Ratio Lower Upper  
165 100  
63 1.0 47.8 71.8#  
89 1.6 47.2 70.8#



#57  
2,4-Dinitrotoluene  
Concen: 6.400 ng  
RT: 9.857 min Scan# 1287  
Delta R.T. -0.212 min  
Lab File: BF129778.D  
Acq: 14 Aug 2022 23:32

Tgt Ion:165 Resp: 45306  
Ion Ratio Lower Upper  
165 100  
63 1.0 48.4 72.6#  
89 1.6 62.3 93.5#  
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129778.D

Acq: 14 Aug 2022 23:32

Instrument :

BNA\_F

ClientSampleId :

PB146737BL

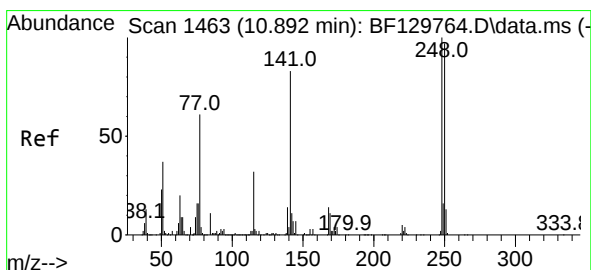
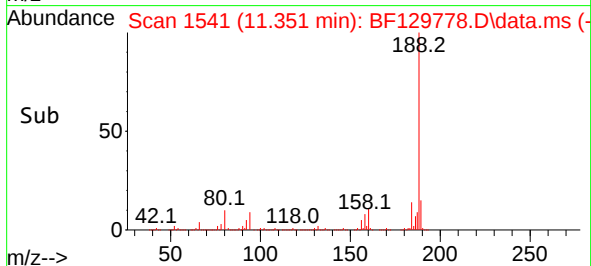
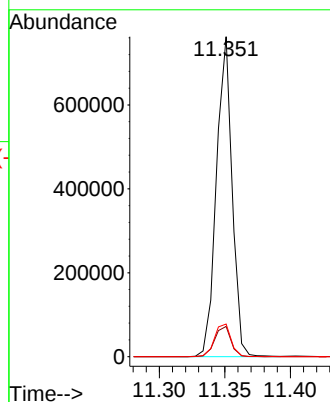
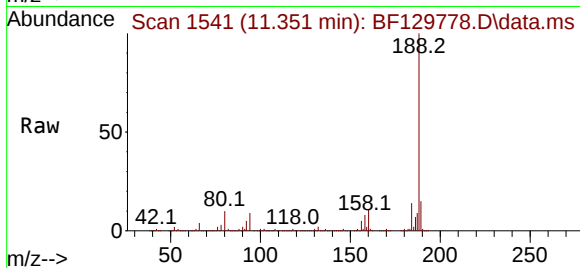
Tgt Ion:188 Resp: 633705

Ion Ratio Lower Upper

188 100

94 9.4 7.4 11.2

80 10.2 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 3.593 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.235 min

Lab File: BF129778.D

Acq: 14 Aug 2022 23:32

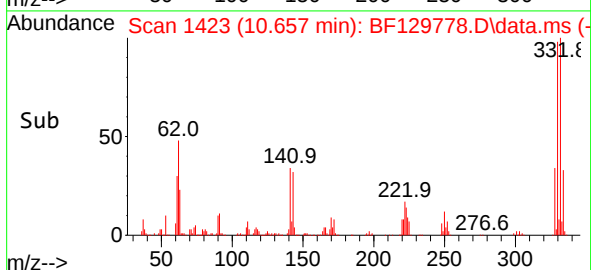
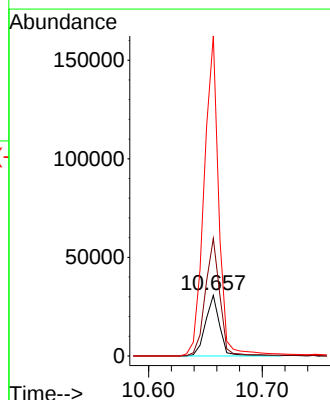
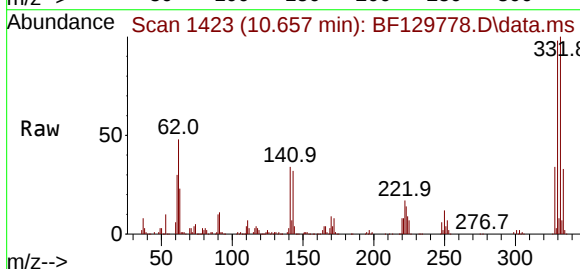
Tgt Ion:248 Resp: 26666

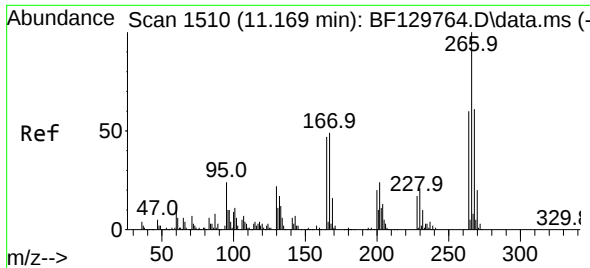
Ion Ratio Lower Upper

248 100

250 193.7 77.8 116.6#

141 527.2 66.2 99.2#

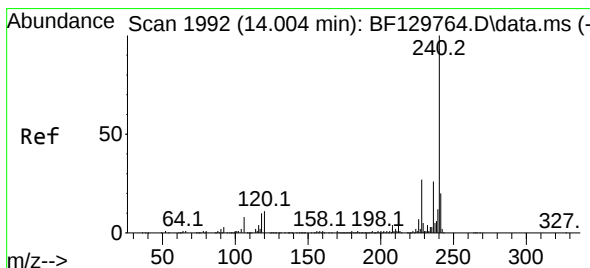
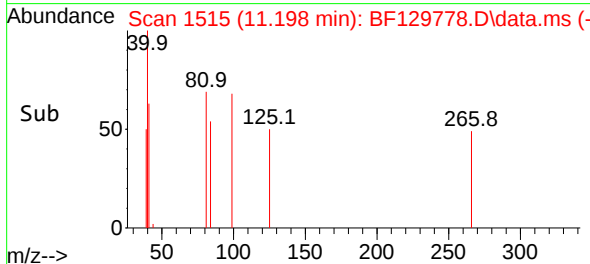
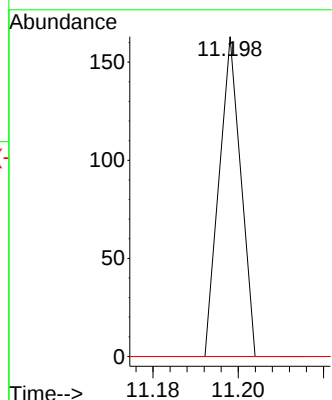
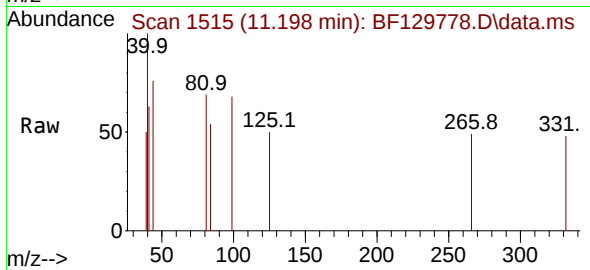




#70  
 Pentachlorophenol  
 Concen: 5.204 ng  
 RT: 11.198 min Scan# 11  
 Delta R.T. 0.029 min  
 Lab File: BF129778.D  
 Acq: 14 Aug 2022 23:32

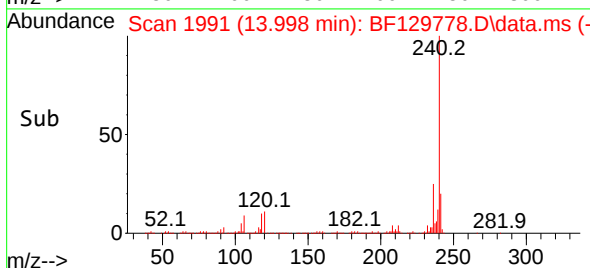
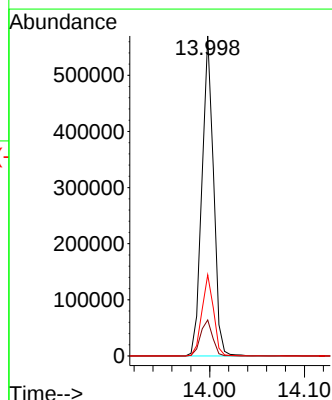
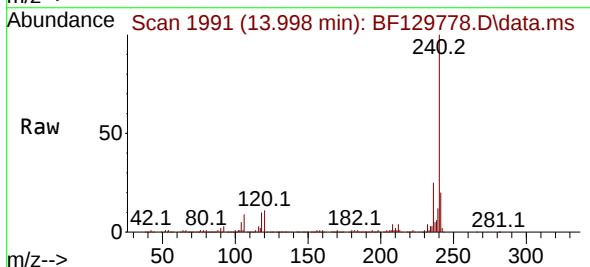
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB146737BL

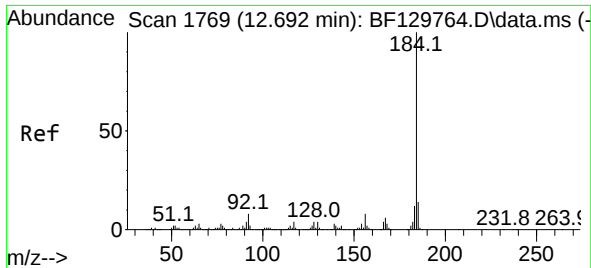
Tgt Ion:266 Resp: 57  
 Ion Ratio Lower Upper  
 266 100  
 268 0.0 49.0 73.4#  
 264 0.0 47.9 71.9#



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.998 min Scan# 1991  
 Delta R.T. -0.006 min  
 Lab File: BF129778.D  
 Acq: 14 Aug 2022 23:32

Tgt Ion:240 Resp: 487301  
 Ion Ratio Lower Upper  
 240 100  
 120 11.2 9.2 13.8  
 236 25.4 20.7 31.1

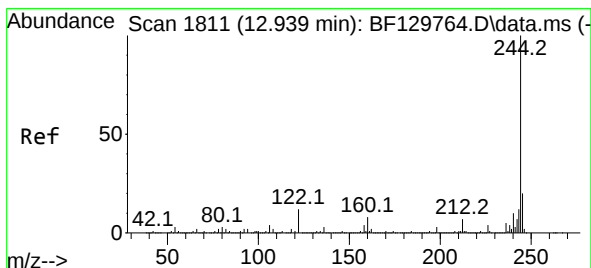
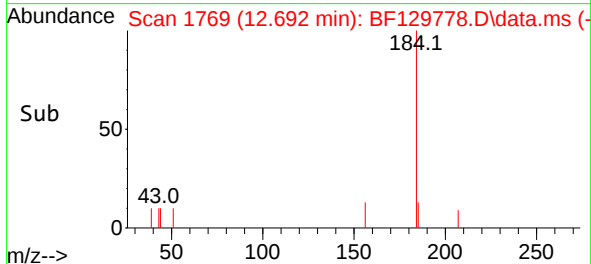
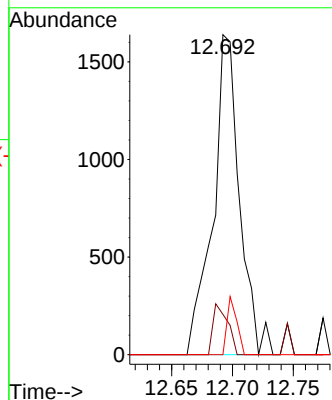
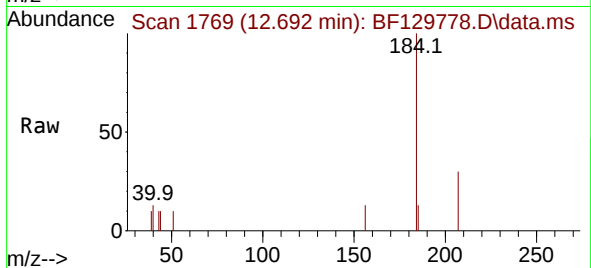




#77  
Benzidine  
Concen: Below Cal  
RT: 12.692 min Scan# 1769  
Delta R.T. 0.000 min  
Lab File: BF129778.D  
Acq: 14 Aug 2022 23:32

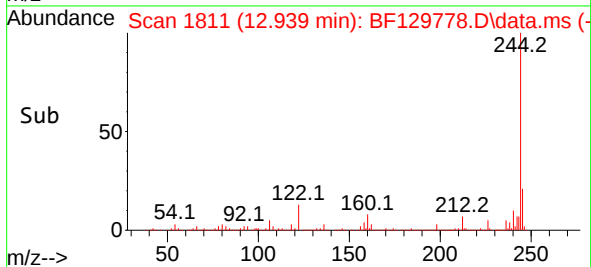
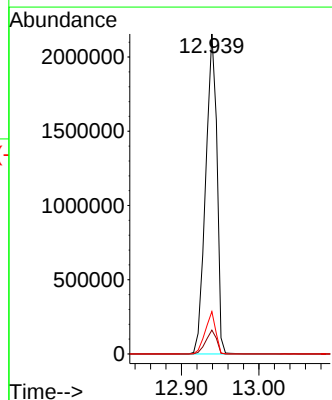
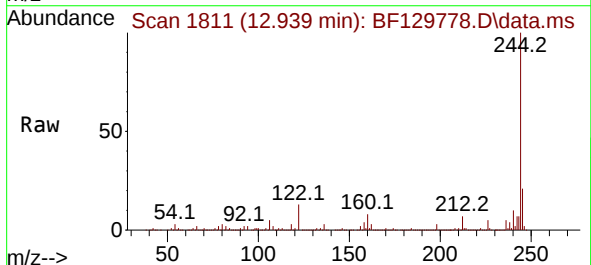
Instrument :  
BNA\_F  
ClientSampleId :  
PB146737BL

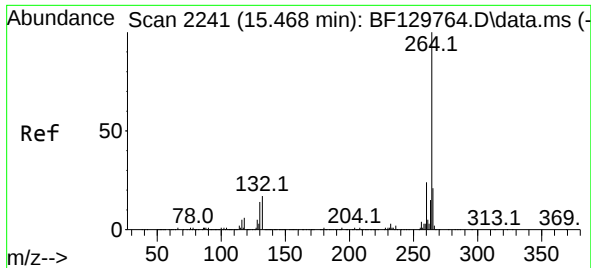
Tgt Ion:184 Resp: 2493  
Ion Ratio Lower Upper  
184 100  
185 12.6 11.4 17.2  
183 0.0 9.4 14.2#



#79  
Terphenyl-d14  
Concen: 74.095 ng  
RT: 12.939 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: BF129778.D  
Acq: 14 Aug 2022 23:32

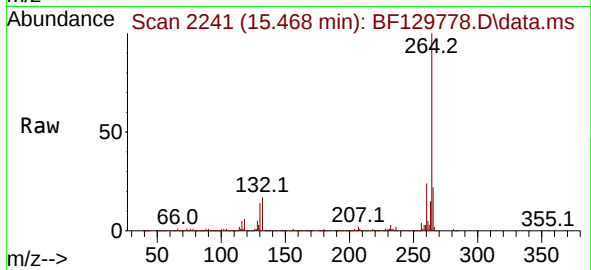
Tgt Ion:244 Resp: 2169959  
Ion Ratio Lower Upper  
244 100  
212 7.5 5.9 8.9  
122 13.3 9.9 14.9





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.468 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF129778.D  
Acq: 14 Aug 2022 23:32

Instrument :  
BNA\_F  
ClientSampleId :  
PB146737BL



Tgt Ion:264 Resp: 364299  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 19.1  | 28.7  |
| 265 | 22.0  | 16.7  | 25.1  |

