

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072622\  
 Data File : BF129353.D  
 Acq On : 26 Jul 2022 13:55  
 Operator : CG\JU  
 Sample : N3840-04  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-DE-4-TW

Quant Time: Jul 27 00:39:22 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 25 17:24:17 2022  
 Response via : Initial Calibration

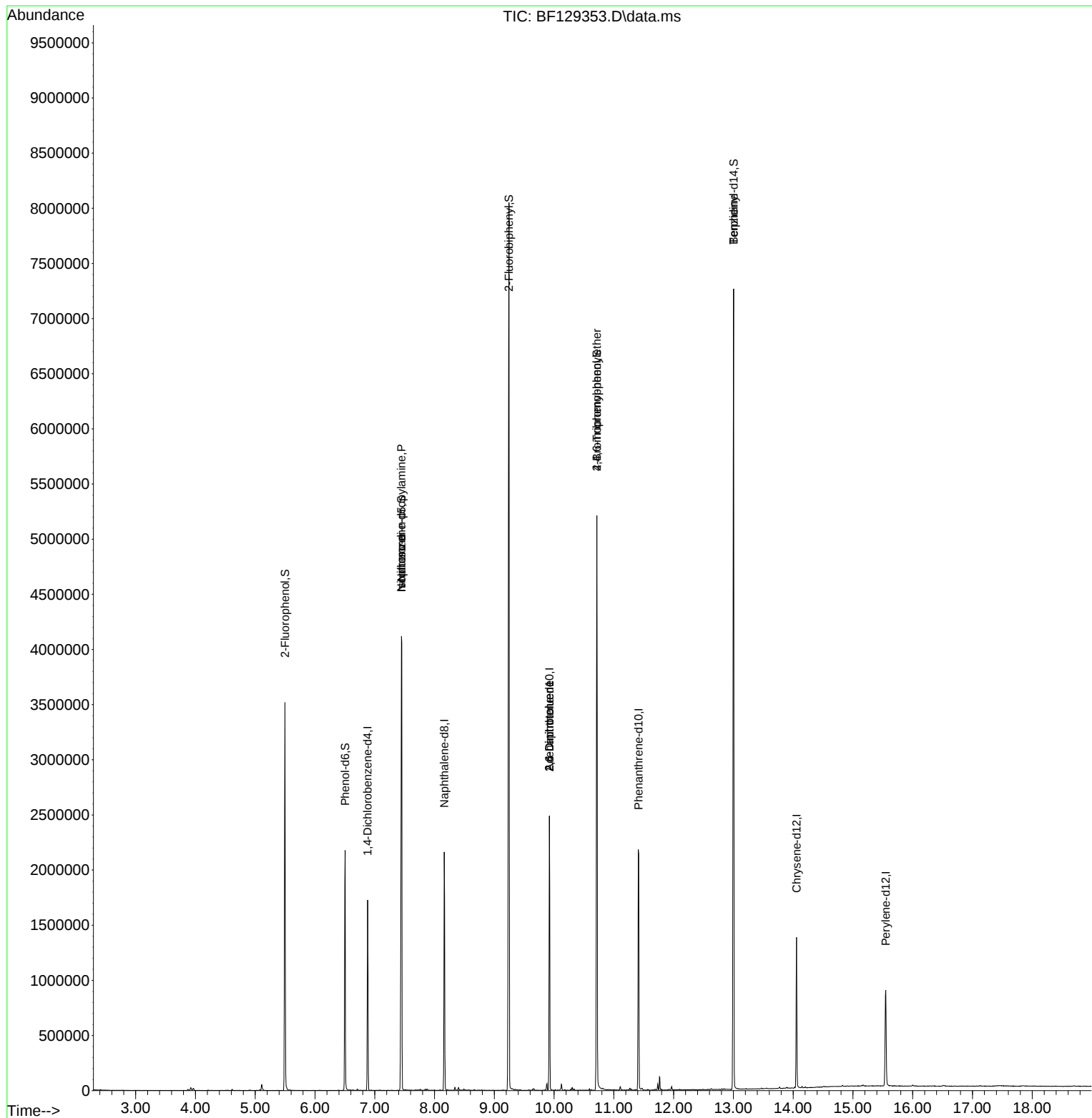
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 228310   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 923310   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 493634   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 813489   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 430410   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.551 | 264  | 386857   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 885314   | 63.167  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 692809   | 39.327  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 1527416  | 90.305  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 640017   | 134.856 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 2563014  | 80.320  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.004 | 244  | 2496890  | 109.444 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 202131   | 18.953  | ng    | # 74     |
| 25) Isophorone                | 7.445  | 82   | 1525943  | 50.331  | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.922  | 165  | 64157    | 8.412   | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 9.922  | 165  | 64157    | 6.439   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 10.716 | 248  | 39618    | 4.447   | ng    | # 1      |
| 77) Benzidine                 | 13.004 | 184  | 35530    | 2.337   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

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

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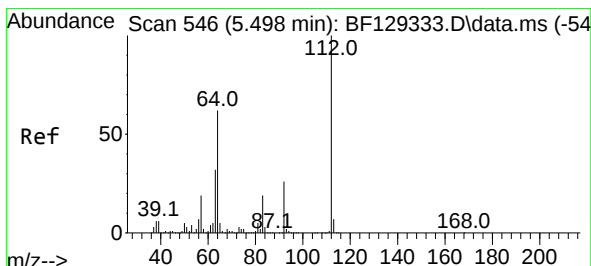
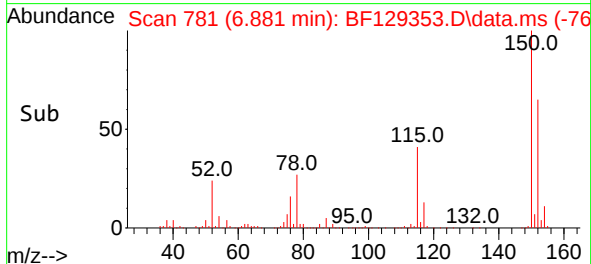
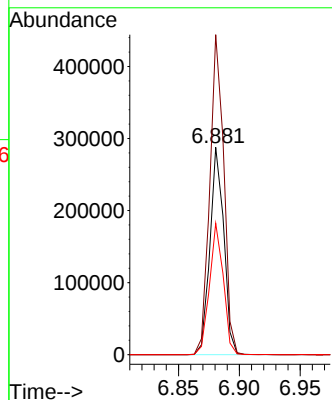
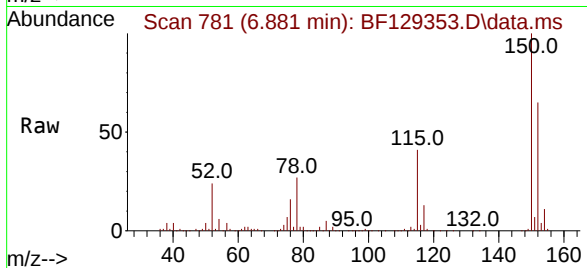




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.881 min Scan# 781  
 Delta R.T. -0.005 min  
 Lab File: BF129353.D  
 Acq: 26 Jul 2022 13:55

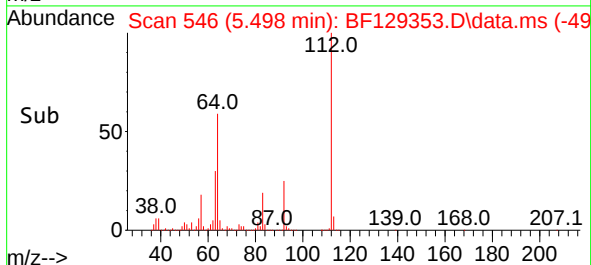
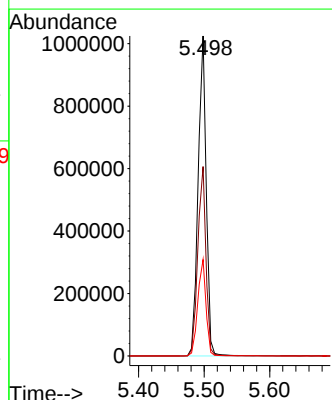
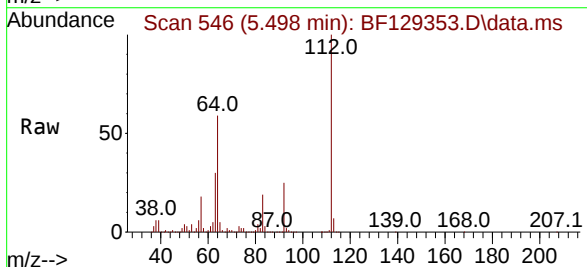
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-DE-4-TW

Tgt Ion:152 Resp: 228310  
 Ion Ratio Lower Upper  
 152 100  
 150 154.4 123.7 185.5  
 115 63.3 49.9 74.9



#5  
 2-Fluorophenol  
 Concen: 63.167 ng  
 RT: 5.498 min Scan# 546  
 Delta R.T. -0.000 min  
 Lab File: BF129353.D  
 Acq: 26 Jul 2022 13:55

Tgt Ion:112 Resp: 885314  
 Ion Ratio Lower Upper  
 112 100  
 64 59.2 53.3 79.9  
 63 30.1 28.0 42.0

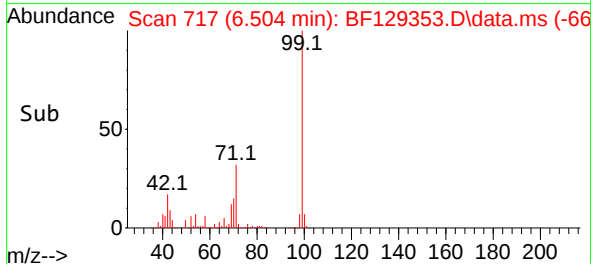
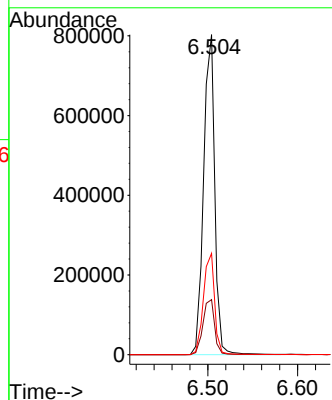
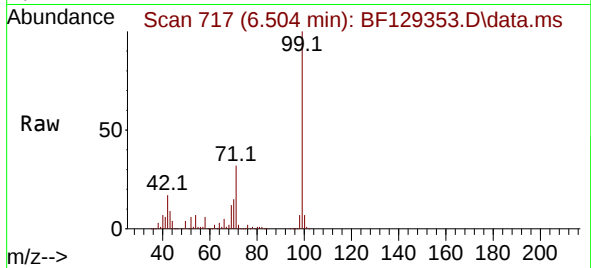




#7  
Phenol-d6  
Concen: 39.327 ng  
RT: 6.504 min Scan# 719  
Delta R.T. -0.012 min  
Lab File: BF129353.D  
Acq: 26 Jul 2022 13:55

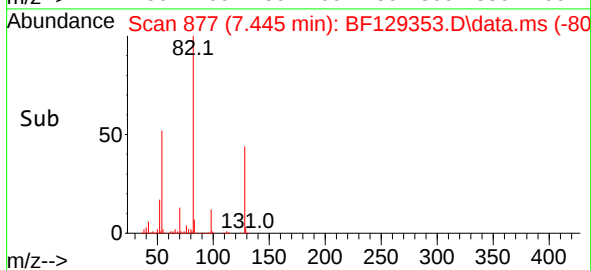
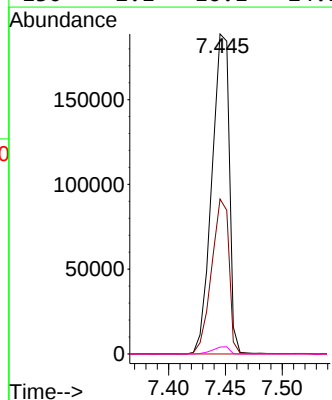
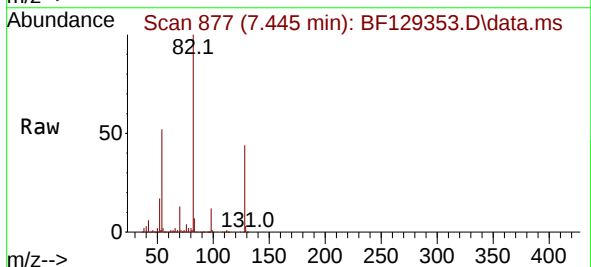
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-4-TW

Tgt Ion: 99 Resp: 692809  
Ion Ratio Lower Upper  
99 100  
42 17.2 17.3 25.9#  
71 31.7 28.9 43.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.953 ng  
RT: 7.445 min Scan# 877  
Delta R.T. 0.147 min  
Lab File: BF129353.D  
Acq: 26 Jul 2022 13:55

Tgt Ion: 70 Resp: 202131  
Ion Ratio Lower Upper  
70 100  
42 48.4 52.3 78.5#  
101 0.0 7.5 11.3#  
130 2.1 16.1 24.1#

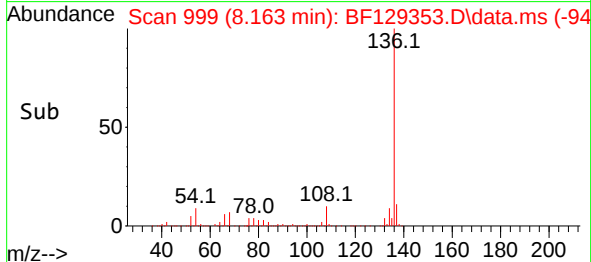
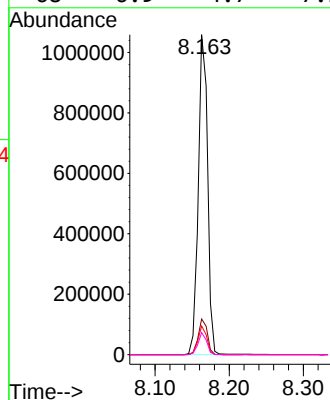
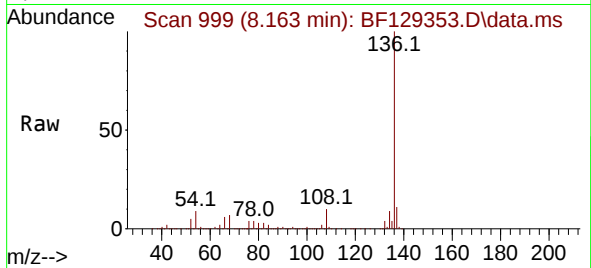




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF129353.D  
Acq: 26 Jul 2022 13:55

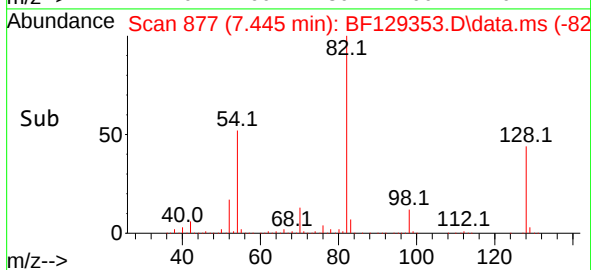
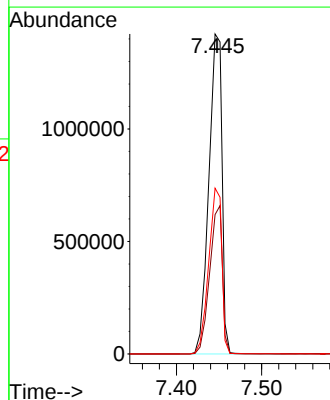
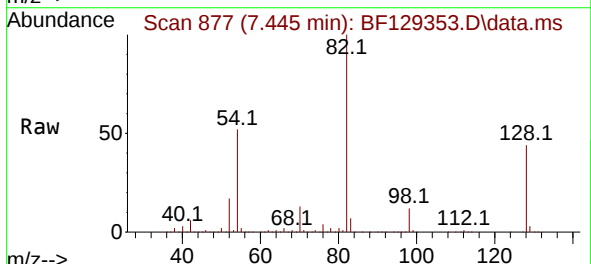
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-4-TW

Tgt Ion:136 Resp: 923310  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 9.0 7.5 11.3  
68 6.9 4.7 7.1



#23  
Nitrobenzene-d5  
Concen: 90.305 ng  
RT: 7.445 min Scan# 877  
Delta R.T. -0.006 min  
Lab File: BF129353.D  
Acq: 26 Jul 2022 13:55

Tgt Ion: 82 Resp: 1527416  
Ion Ratio Lower Upper  
82 100  
128 43.5 34.0 51.0  
54 51.8 46.9 70.3

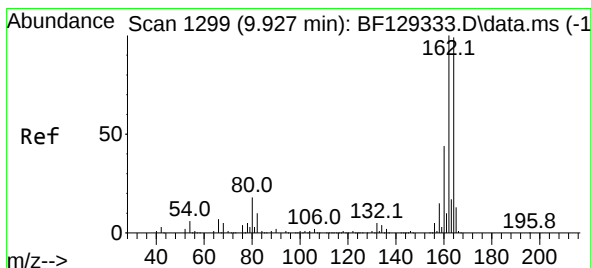
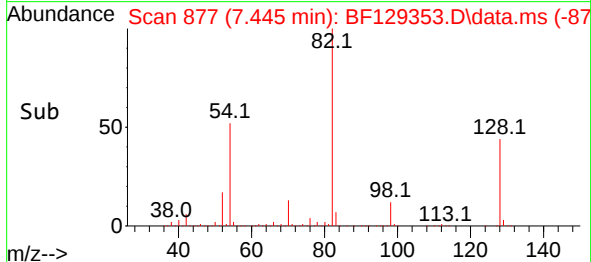
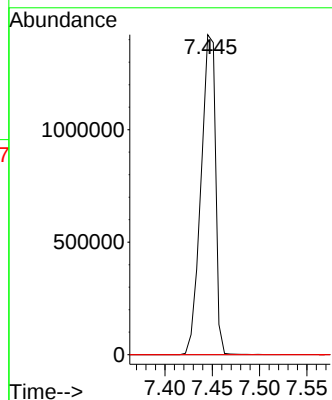
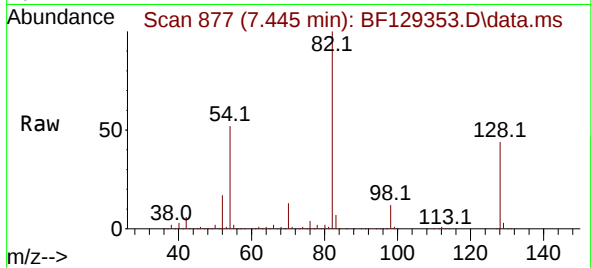




#25  
Isophorone  
Concen: 50.331 ng  
RT: 7.445 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF129353.D  
Acq: 26 Jul 2022 13:55

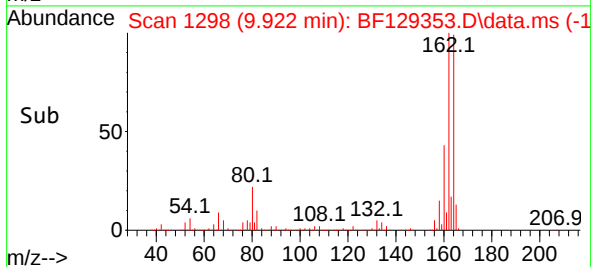
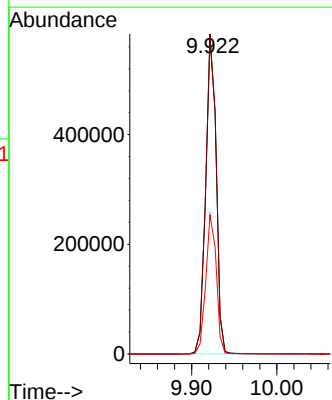
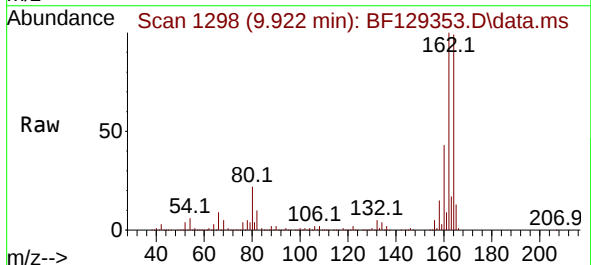
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-4-TW

Tgt Ion: 82 Resp: 1525943  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.922 min Scan# 1298  
Delta R.T. -0.006 min  
Lab File: BF129353.D  
Acq: 26 Jul 2022 13:55

Tgt Ion:164 Resp: 493634  
Ion Ratio Lower Upper  
164 100  
162 101.3 79.5 119.3  
160 44.0 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 134.856 ng

RT: 10.716 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF129353.D

Acq: 26 Jul 2022 13:55

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-4-TW

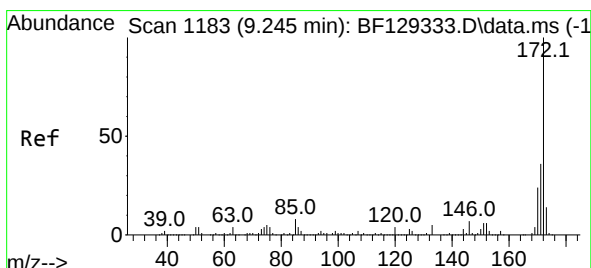
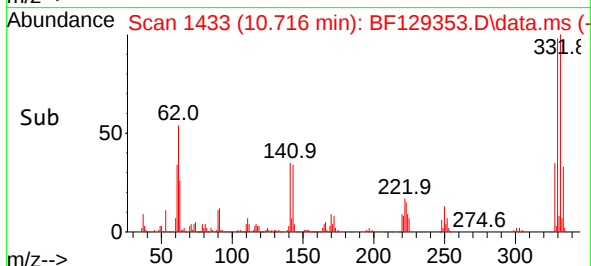
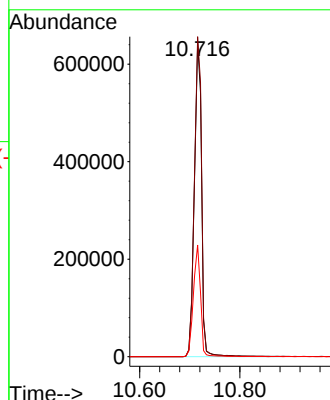
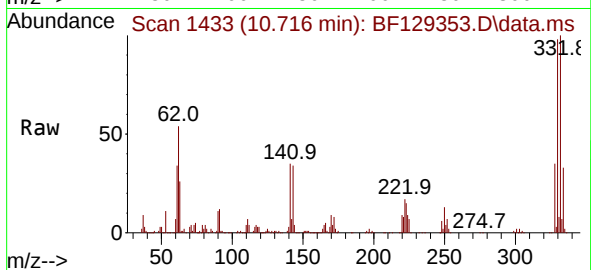
Tgt Ion:330 Resp: 640017

Ion Ratio Lower Upper

330 100

332 102.6 76.8 115.2

141 35.3 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 80.320 ng

RT: 9.245 min Scan# 1183

Delta R.T. -0.000 min

Lab File: BF129353.D

Acq: 26 Jul 2022 13:55

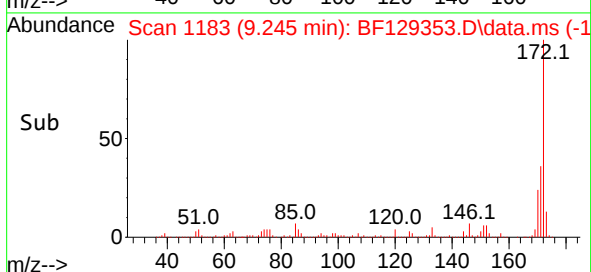
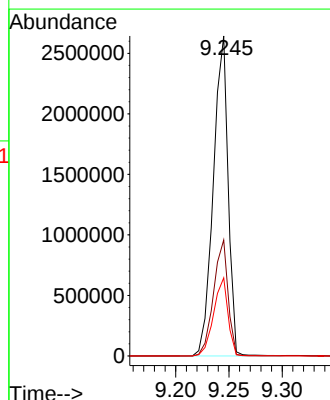
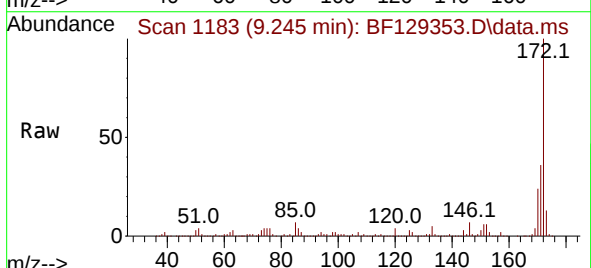
Tgt Ion:172 Resp: 2563014

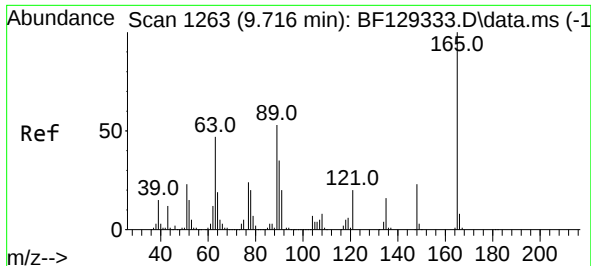
Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 24.4 19.8 29.8

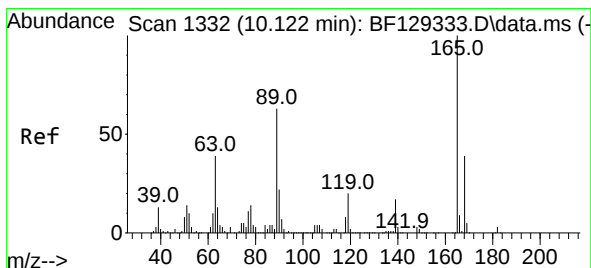
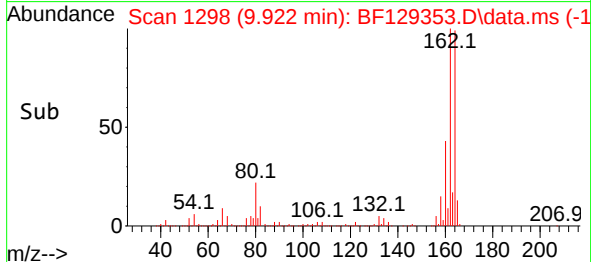
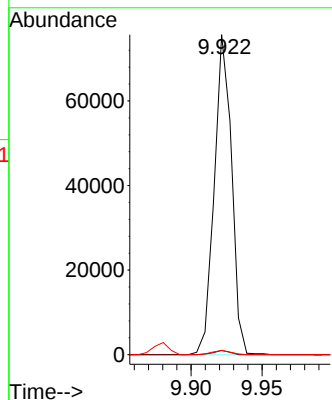
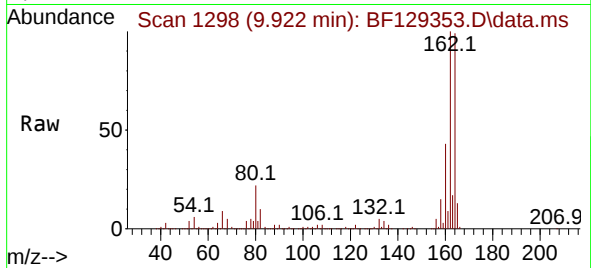




#51  
2,6-Dinitrotoluene  
Concen: 8.412 ng  
RT: 9.922 min Scan# 1298  
Delta R.T. 0.206 min  
Lab File: BF129353.D  
Acq: 26 Jul 2022 13:55

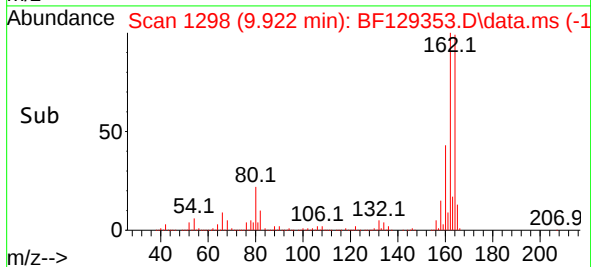
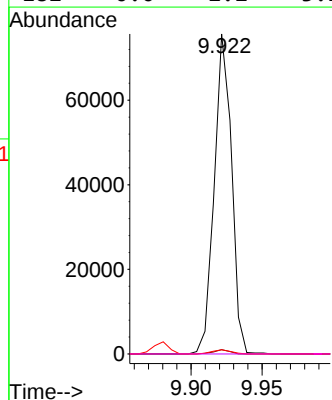
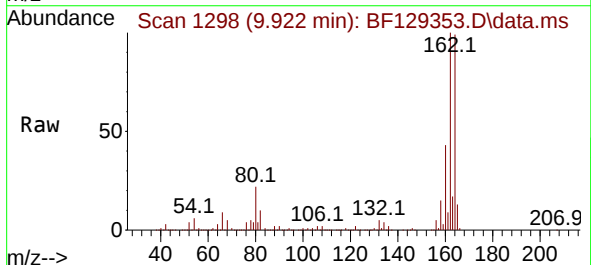
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-4-TW

Tgt Ion:165 Resp: 64157  
Ion Ratio Lower Upper  
165 100  
63 1.4 44.9 67.3#  
89 1.3 43.6 65.4#



#57  
2,4-Dinitrotoluene  
Concen: 6.439 ng  
RT: 9.922 min Scan# 1298  
Delta R.T. -0.200 min  
Lab File: BF129353.D  
Acq: 26 Jul 2022 13:55

Tgt Ion:165 Resp: 64157  
Ion Ratio Lower Upper  
165 100  
63 1.4 39.8 59.6#  
89 1.3 60.2 90.2#  
182 0.0 2.2 3.2#

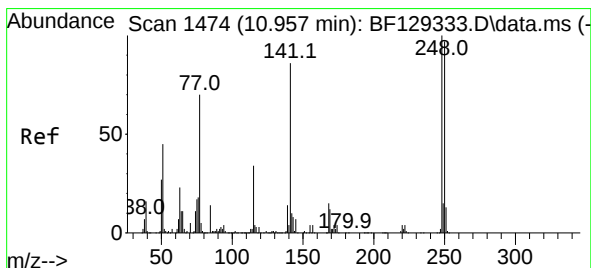
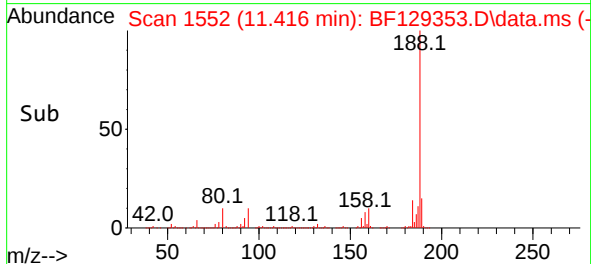
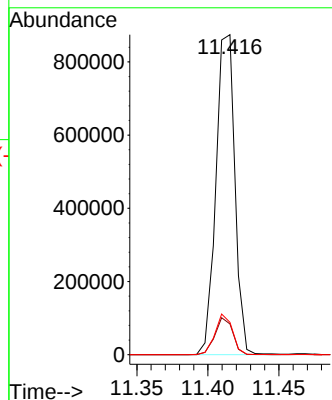
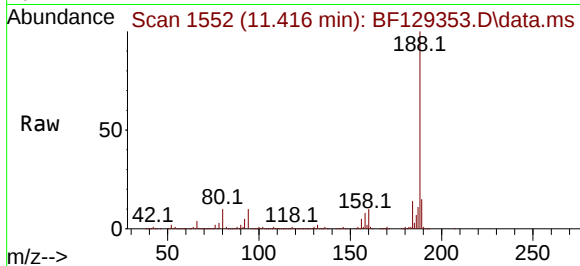




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF129353.D  
Acq: 26 Jul 2022 13:55

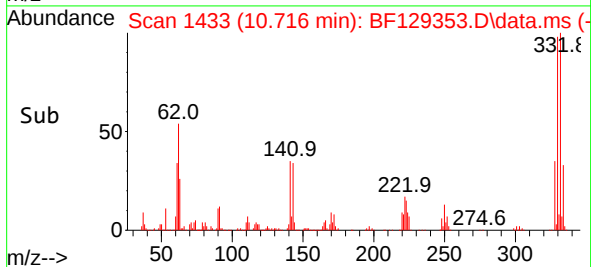
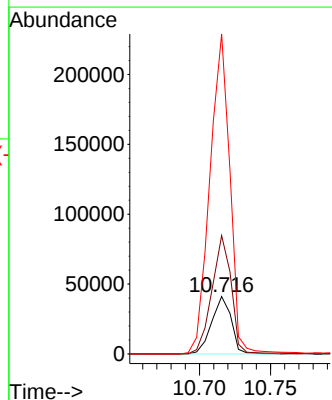
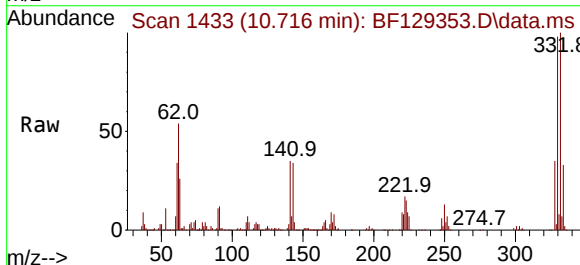
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-4-TW

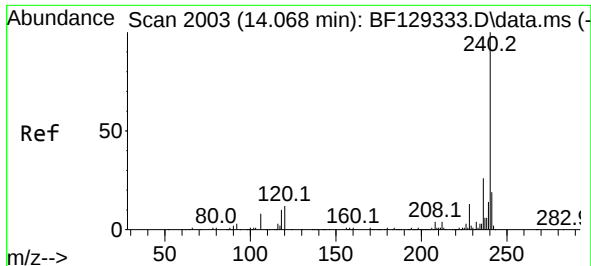
Tgt Ion:188 Resp: 813489  
Ion Ratio Lower Upper  
188 100  
94 9.6 7.0 10.6  
80 10.1 7.6 11.4



#67  
4-Bromophenyl-phenylether  
Concen: 4.447 ng  
RT: 10.716 min Scan# 1433  
Delta R.T. -0.241 min  
Lab File: BF129353.D  
Acq: 26 Jul 2022 13:55

Tgt Ion:248 Resp: 39618  
Ion Ratio Lower Upper  
248 100  
250 206.1 80.6 120.8#  
141 557.2 58.9 88.3#

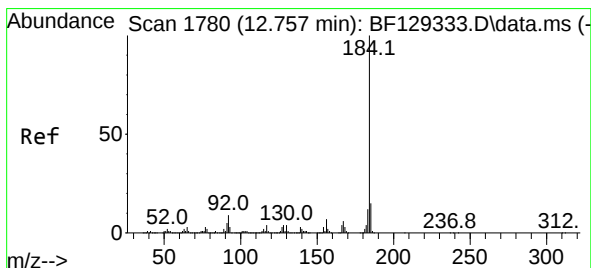
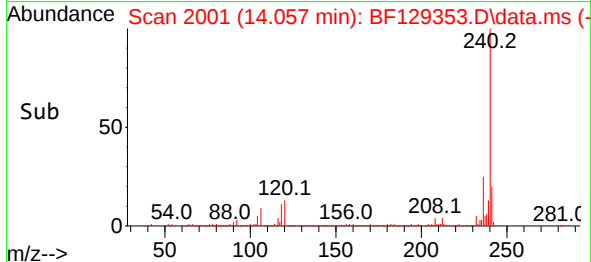
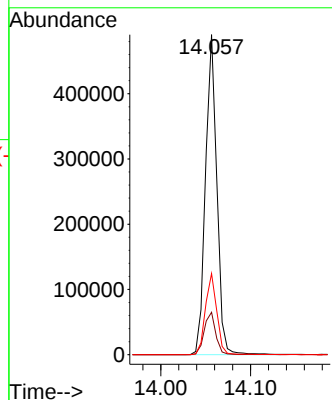
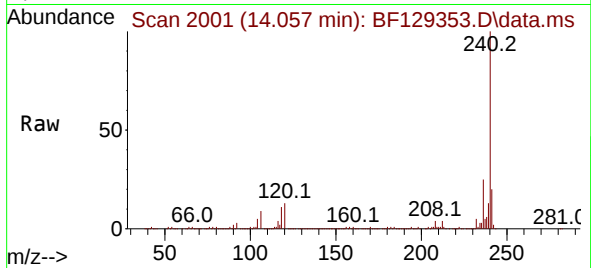




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF129353.D  
Acq: 26 Jul 2022 13:55

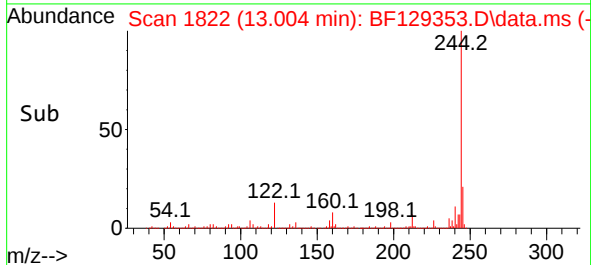
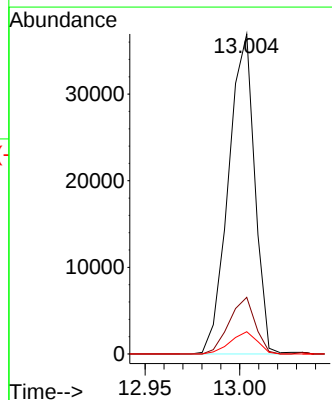
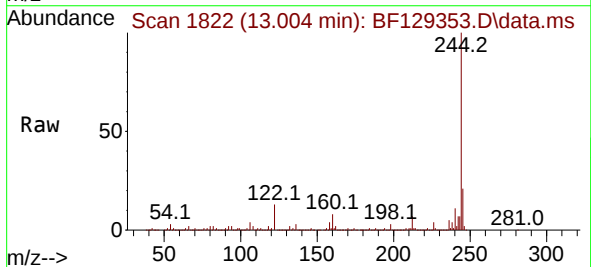
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-4-TW

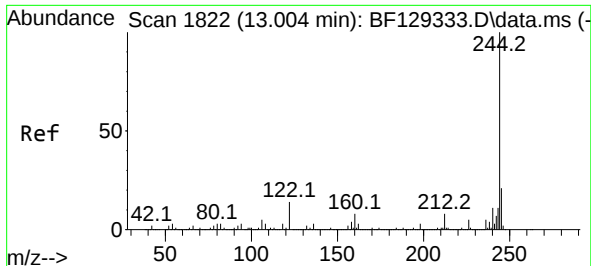
Tgt Ion:240 Resp: 430410  
Ion Ratio Lower Upper  
240 100  
120 13.3 8.9 13.3  
236 25.4 20.8 31.2



#77  
Benzidine  
Concen: 2.337 ng  
RT: 13.004 min Scan# 1822  
Delta R.T. 0.247 min  
Lab File: BF129353.D  
Acq: 26 Jul 2022 13:55

Tgt Ion:184 Resp: 35530  
Ion Ratio Lower Upper  
184 100  
185 17.7 11.9 17.9  
183 7.0 9.3 13.9#

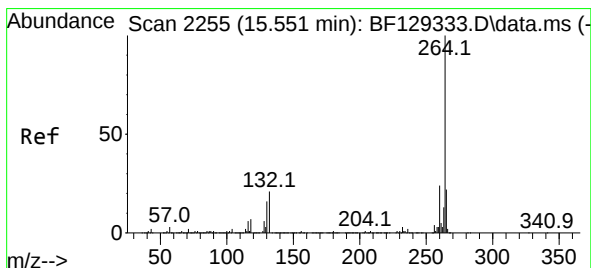
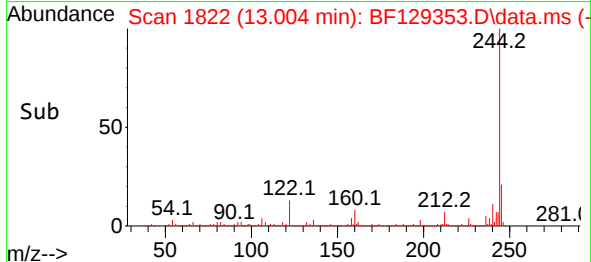
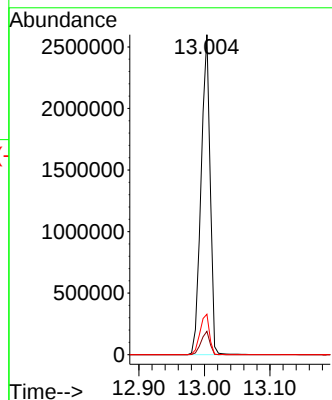
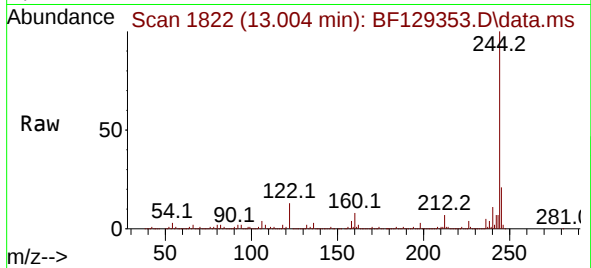




#79  
 Terphenyl-d14  
 Concen: 109.444 ng  
 RT: 13.004 min Scan# 1822  
 Delta R.T. -0.000 min  
 Lab File: BF129353.D  
 Acq: 26 Jul 2022 13:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-DE-4-TW

Tgt Ion:244 Resp: 2496890  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.1 9.1  
 122 12.7 8.8 13.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.551 min Scan# 2255  
 Delta R.T. -0.000 min  
 Lab File: BF129353.D  
 Acq: 26 Jul 2022 13:55

Tgt Ion:264 Resp: 386857  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 18.4 27.6  
 265 21.6 17.2 25.8

