

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061722\  
 Data File : BF128850.D  
 Acq On : 17 Jun 2022 12:48  
 Operator : CG\JU  
 Sample : PB145586BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB145586BL

Quant Time: Jun 18 05:05:47 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 14 14:53:53 2022  
 Response via : Initial Calibration

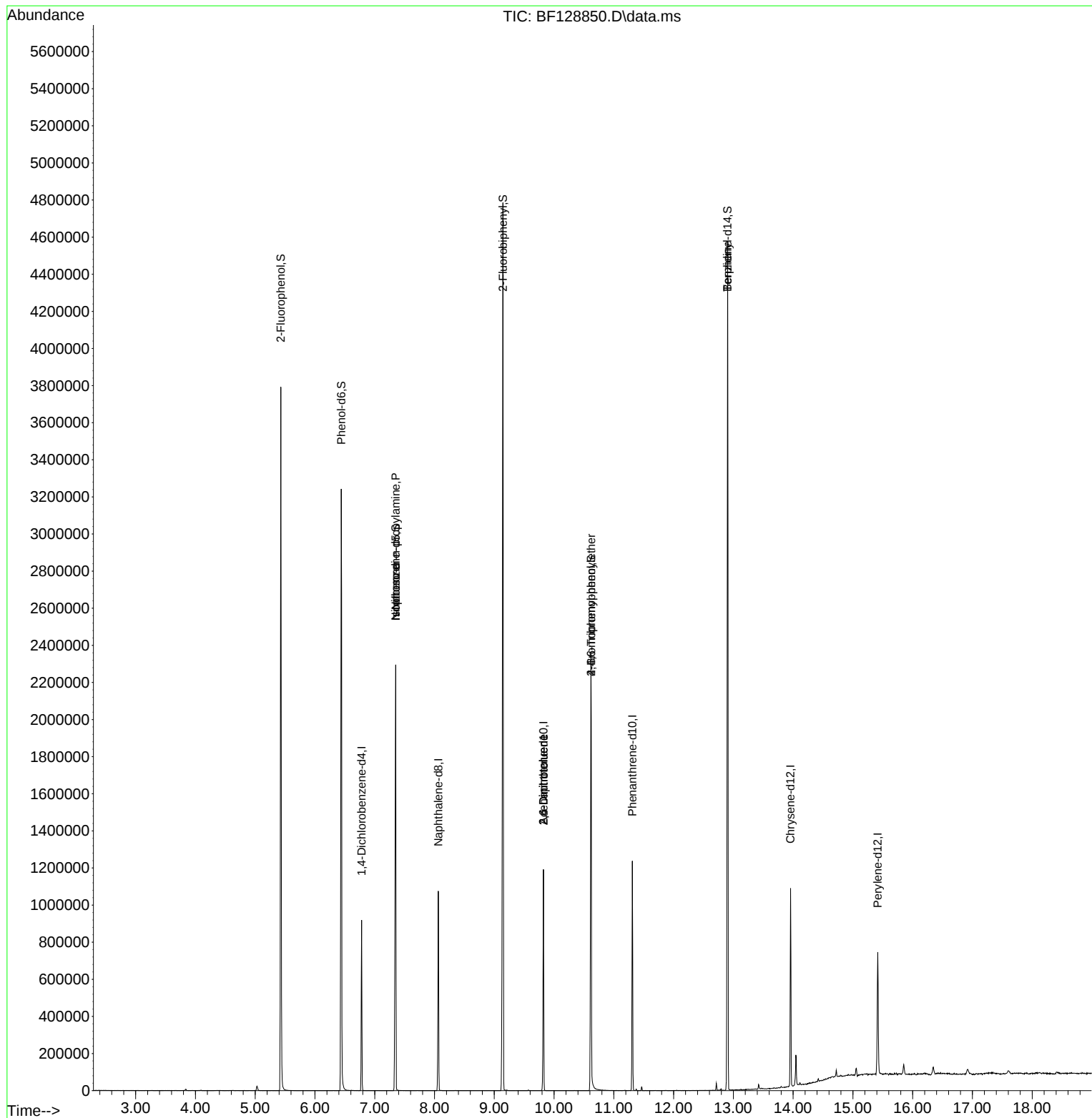
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 114996   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 440117   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.822  | 164  | 224207   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.310 | 188  | 429263   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.957 | 240  | 354304   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.416 | 264  | 286724   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 870644   | 120.595 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.440  | 99   | 1101591  | 125.000 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 772839   | 81.756  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 305642   | 115.375 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 1495701  | 93.448  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.904 | 244  | 1686553  | 82.715  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 109403   | 19.966  | ng    | # 76     |
| 25) Isophorone                | 7.351  | 82   | 772833   | 53.830  | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.822  | 165  | 28833    | 9.519   | ng    | # 25     |
| 57) 2,4-Dinitrotoluene        | 9.822  | 165  | 28833    | 7.133   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 10.622 | 248  | 19712    | 4.118   | ng    | # 1      |
| 77) Benzidine                 | 12.904 | 184  | 22864    | 3.237   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

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

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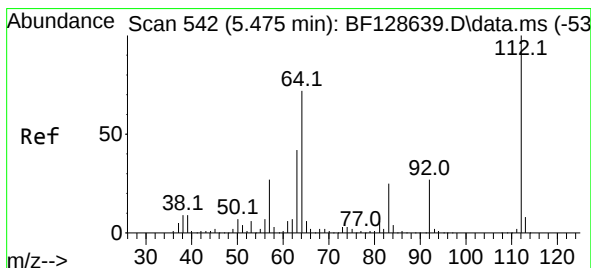
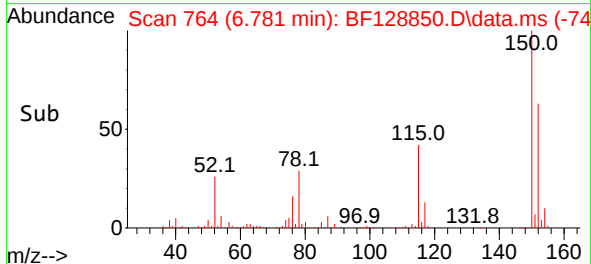
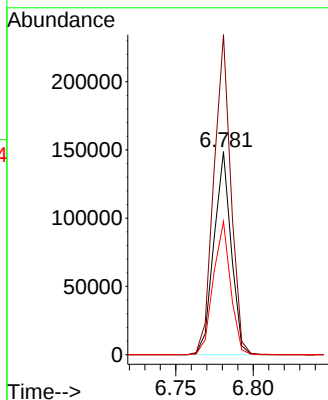
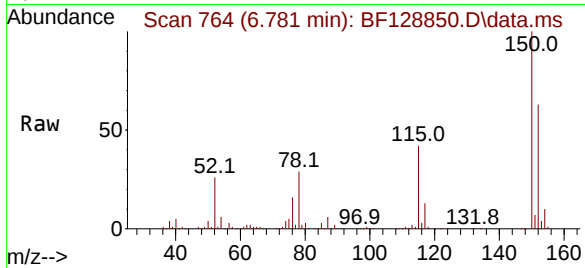




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 772  
Delta R.T. -0.000 min  
Lab File: BF128850.D  
Acq: 17 Jun 2022 12:48

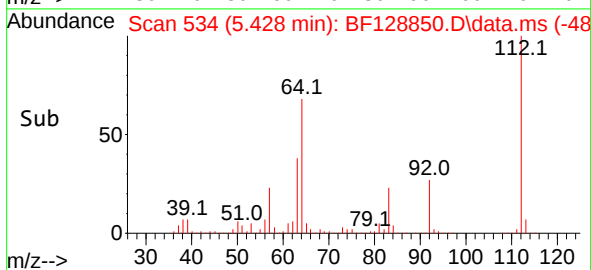
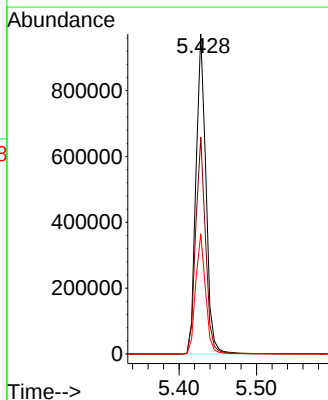
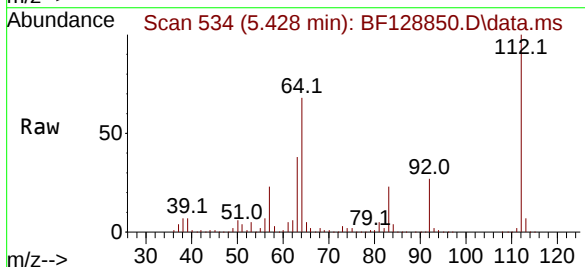
Instrument :  
BNA\_F  
ClientSampleId :  
PB145586BL

Tgt Ion:152 Resp: 114996  
Ion Ratio Lower Upper  
152 100  
150 157.5 123.7 185.5  
115 65.7 49.9 74.9



#5  
2-Fluorophenol  
Concen: 120.595 ng  
RT: 5.428 min Scan# 534  
Delta R.T. 0.012 min  
Lab File: BF128850.D  
Acq: 17 Jun 2022 12:48

Tgt Ion:112 Resp: 870644  
Ion Ratio Lower Upper  
112 100  
64 67.8 53.3 79.9  
63 37.5 28.0 42.0

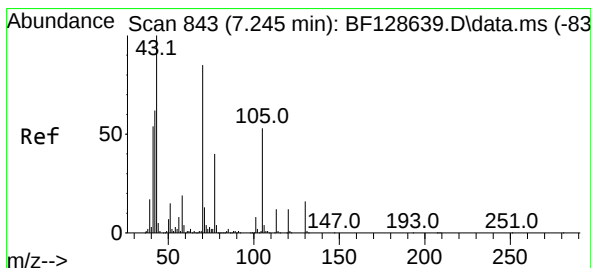
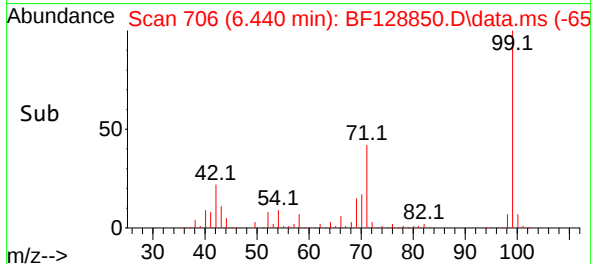
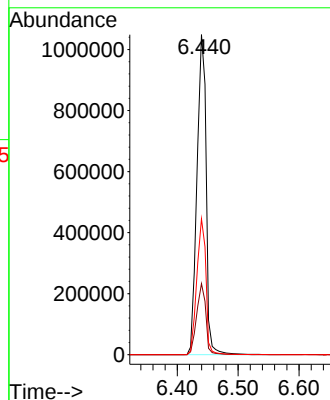
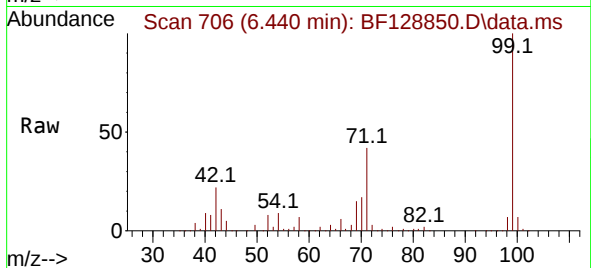




#7  
Phenol-d6  
Concen: 125.000 ng  
RT: 6.440 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: BF128850.D  
Acq: 17 Jun 2022 12:48

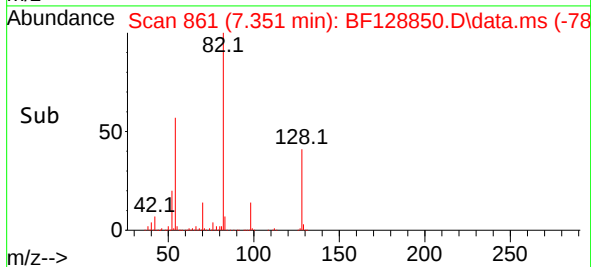
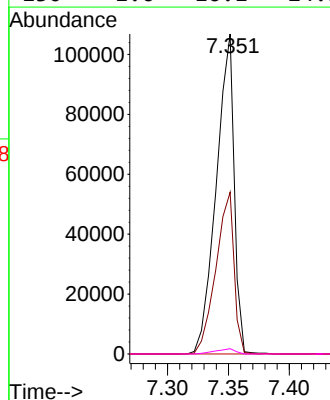
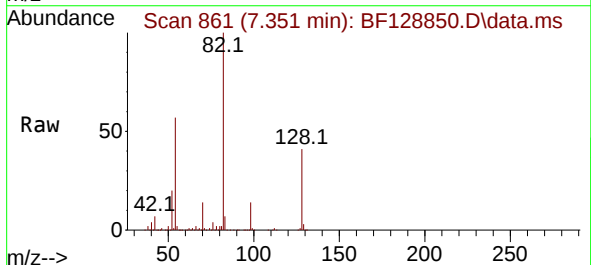
Instrument :  
BNA\_F  
ClientSampleId :  
PB145586BL

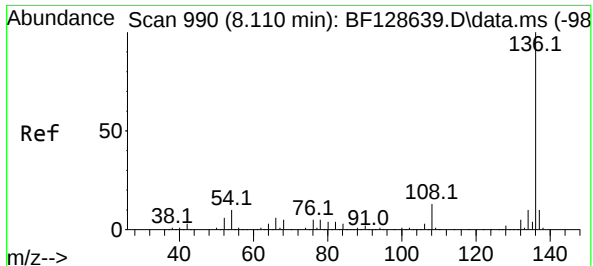
Tgt Ion: 99 Resp: 1101591  
Ion Ratio Lower Upper  
99 100  
42 22.2 17.3 25.9  
71 42.4 28.9 43.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.966 ng  
RT: 7.351 min Scan# 861  
Delta R.T. 0.147 min  
Lab File: BF128850.D  
Acq: 17 Jun 2022 12:48

Tgt Ion: 70 Resp: 109403  
Ion Ratio Lower Upper  
70 100  
42 50.6 52.3 78.5#  
101 0.0 7.5 11.3#  
130 1.6 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF128850.D

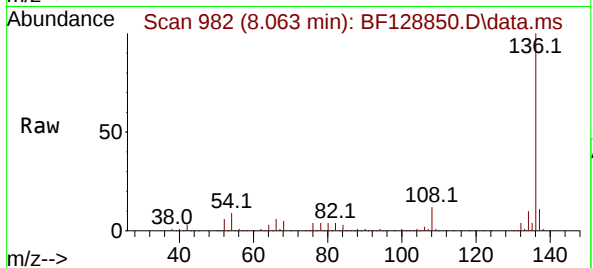
Acq: 17 Jun 2022 12:48

Instrument :

BNA\_F

ClientSampleId :

PB145586BL



Tgt Ion:136 Resp: 440117

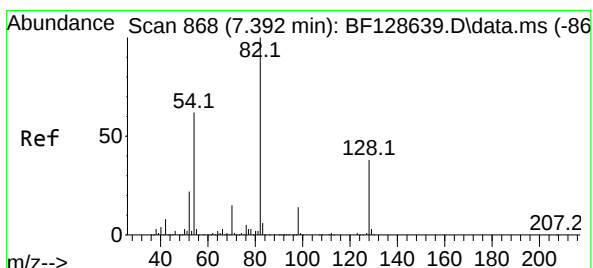
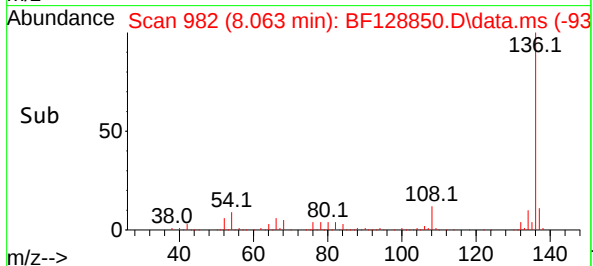
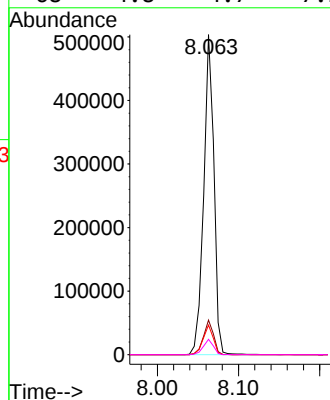
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 9.3 7.5 11.3

68 4.8 4.7 7.1



#23

Nitrobenzene-d5

Concen: 81.756 ng

RT: 7.351 min Scan# 861

Delta R.T. 0.000 min

Lab File: BF128850.D

Acq: 17 Jun 2022 12:48

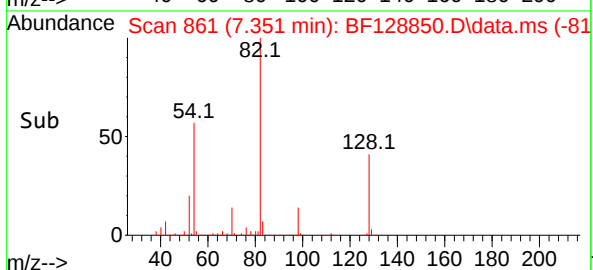
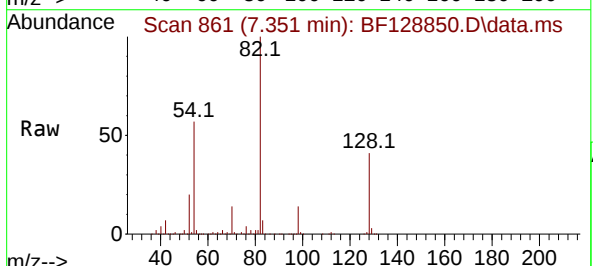
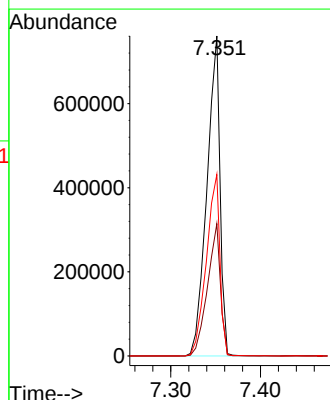
Tgt Ion: 82 Resp: 772839

Ion Ratio Lower Upper

82 100

128 41.4 34.0 51.0

54 56.7 46.9 70.3

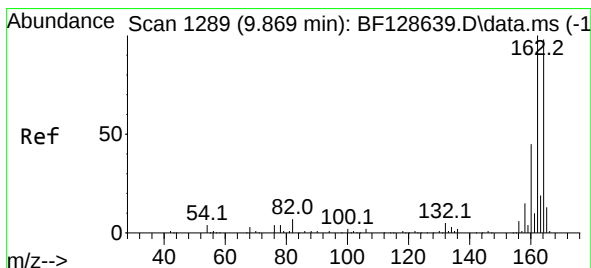
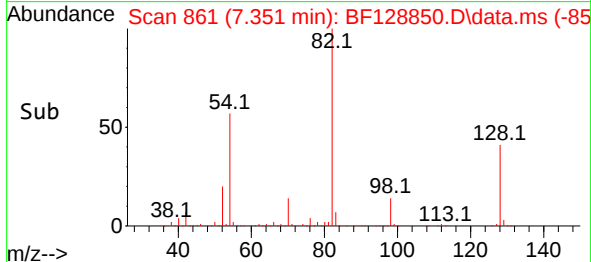
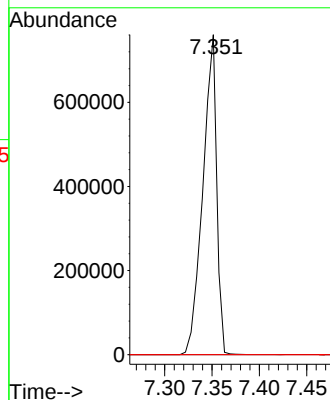
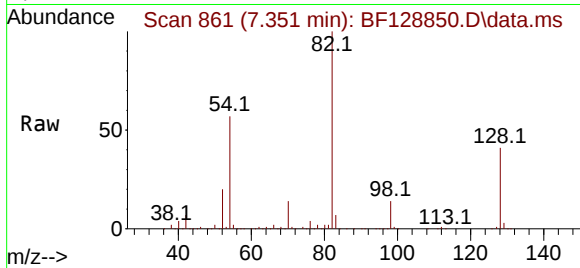




#25  
Isophorone  
Concen: 53.830 ng  
RT: 7.351 min Scan# 80  
Delta R.T. -0.259 min  
Lab File: BF128850.D  
Acq: 17 Jun 2022 12:48

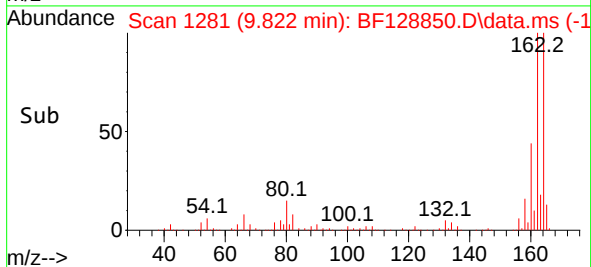
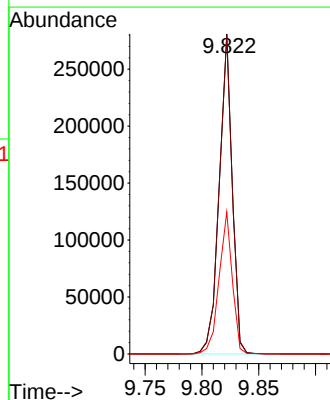
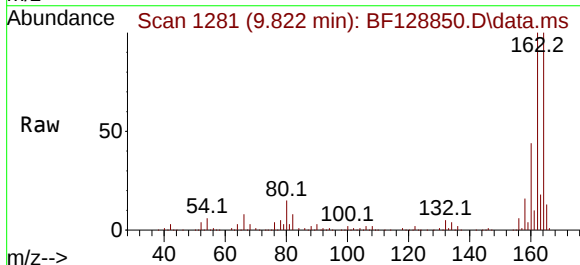
Instrument :  
BNA\_F  
ClientSampleId :  
PB145586BL

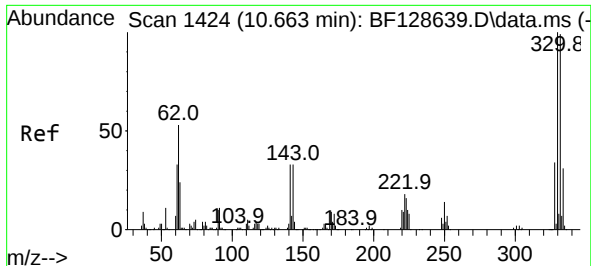
Tgt Ion: 82 Resp: 772833  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.822 min Scan# 1281  
Delta R.T. -0.006 min  
Lab File: BF128850.D  
Acq: 17 Jun 2022 12:48

Tgt Ion:164 Resp: 224207  
Ion Ratio Lower Upper  
164 100  
162 99.5 79.5 119.3  
160 44.3 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 115.375 ng

RT: 10.622 min Scan# 1424

Delta R.T. 0.000 min

Lab File: BF128850.D

Acq: 17 Jun 2022 12:48

Instrument :

BNA\_F

ClientSampleId :

PB145586BL

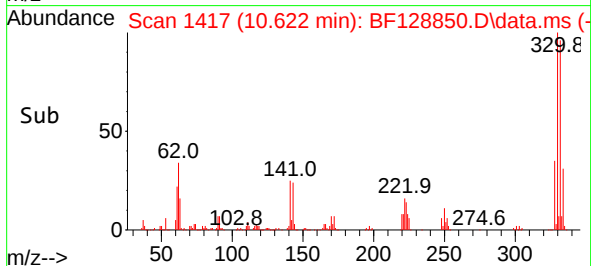
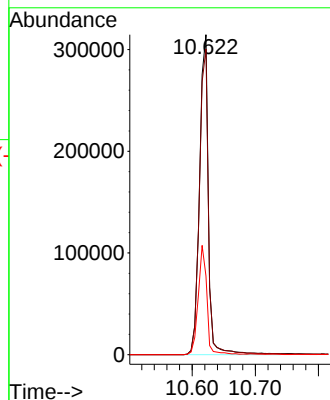
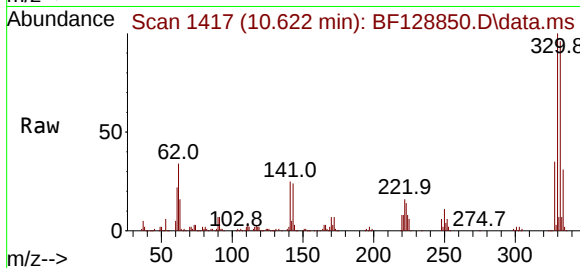
Tgt Ion:330 Resp: 305642

Ion Ratio Lower Upper

330 100

332 98.0 76.8 115.2

141 33.7 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 93.448 ng

RT: 9.145 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF128850.D

Acq: 17 Jun 2022 12:48

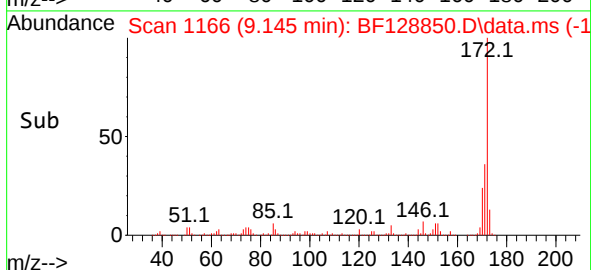
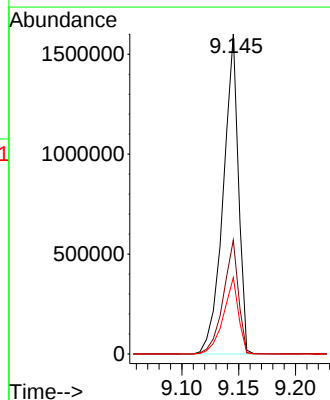
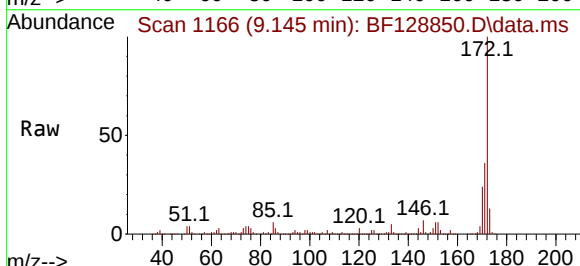
Tgt Ion:172 Resp: 1495701

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.9 19.8 29.8

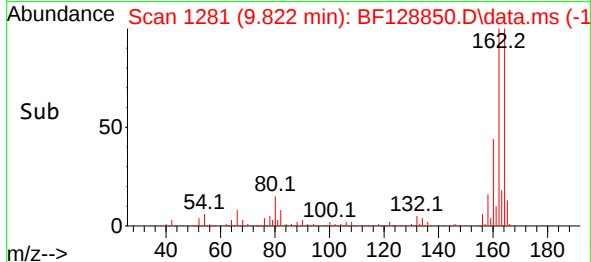
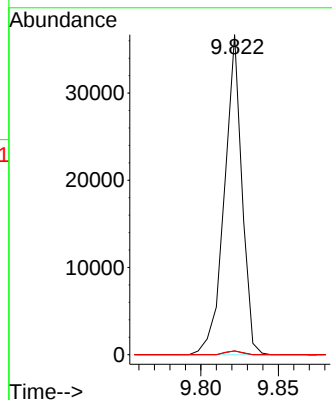
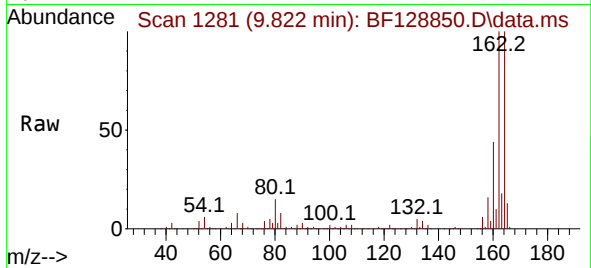




#51  
2,6-Dinitrotoluene  
Concen: 9.519 ng  
RT: 9.822 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF128850.D  
Acq: 17 Jun 2022 12:48

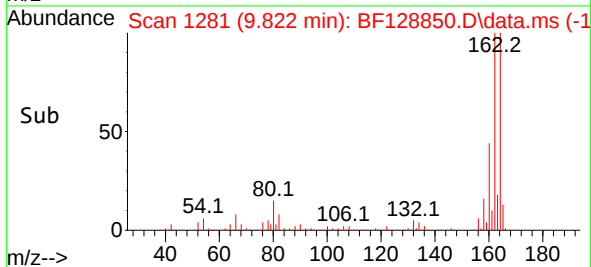
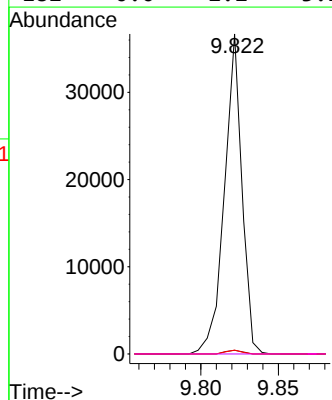
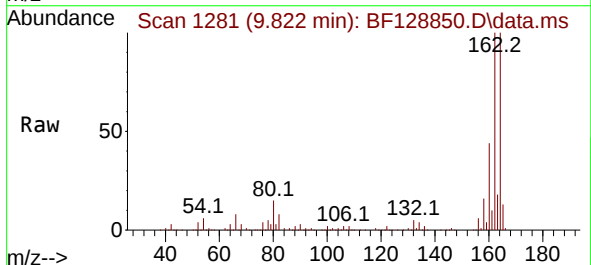
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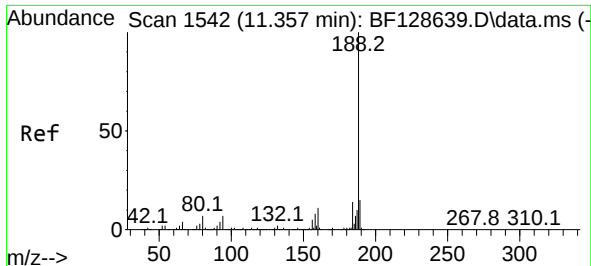
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Ion Ratio Lower Upper  
165 100  
63 1.2 44.9 67.3#  
89 1.2 43.6 65.4#



#57  
2,4-Dinitrotoluene  
Concen: 7.133 ng  
RT: 9.822 min Scan# 1281  
Delta R.T. -0.200 min  
Lab File: BF128850.D  
Acq: 17 Jun 2022 12:48

Tgt Ion:165 Resp: 28833  
Ion Ratio Lower Upper  
165 100  
63 1.2 39.8 59.6#  
89 1.2 60.2 90.2#  
182 0.0 2.2 3.2#

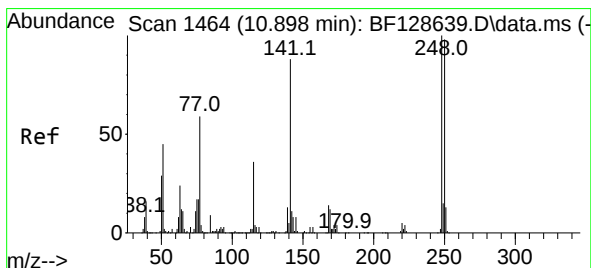
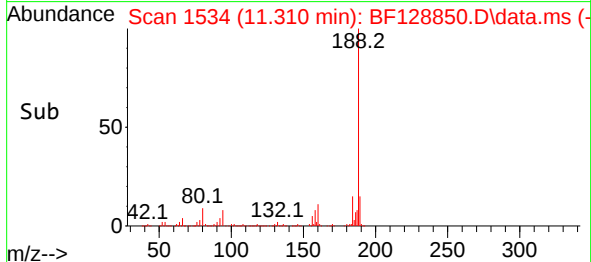
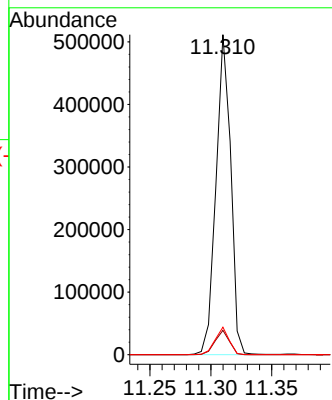
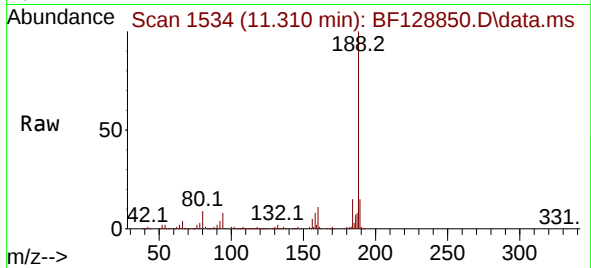




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF128850.D  
Acq: 17 Jun 2022 12:48

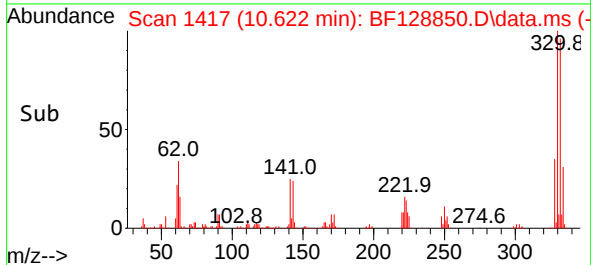
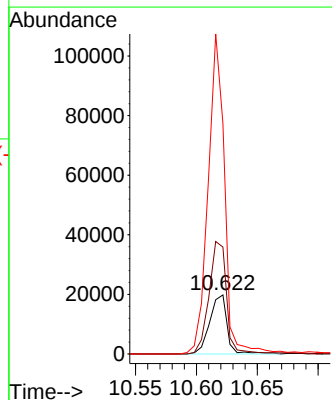
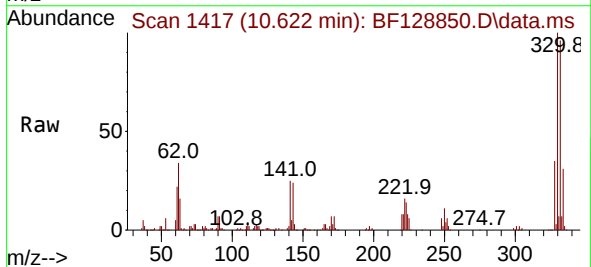
Instrument :  
BNA\_F  
ClientSampleId :  
PB145586BL

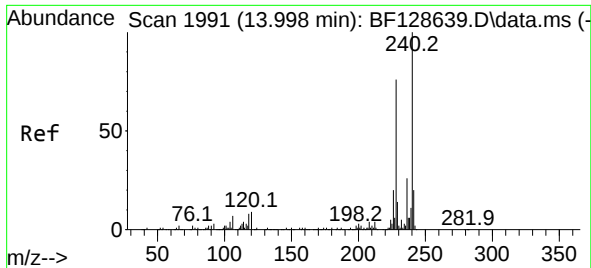
Tgt Ion:188 Resp: 429263  
Ion Ratio Lower Upper  
188 100  
94 7.6 7.0 10.6  
80 8.6 7.6 11.4



#67  
4-Bromophenyl-phenylether  
Concen: 4.118 ng  
RT: 10.622 min Scan# 1417  
Delta R.T. -0.235 min  
Lab File: BF128850.D  
Acq: 17 Jun 2022 12:48

Tgt Ion:248 Resp: 19712  
Ion Ratio Lower Upper  
248 100  
250 181.1 80.6 120.8#  
141 390.6 58.9 88.3#

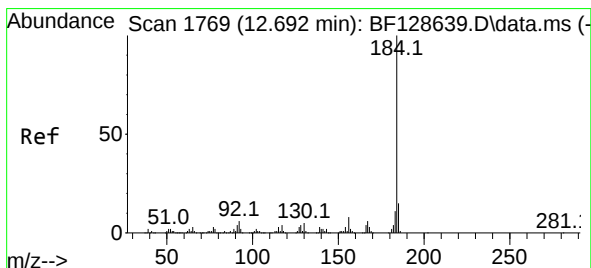
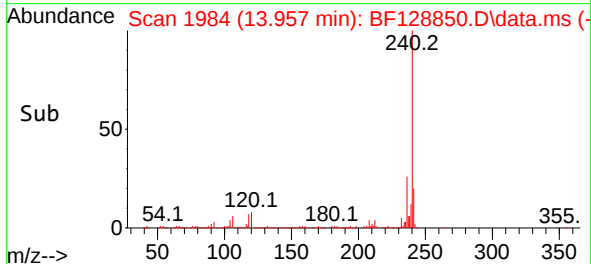
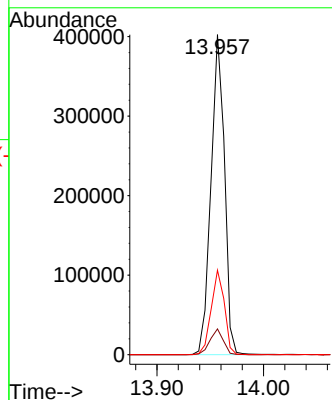
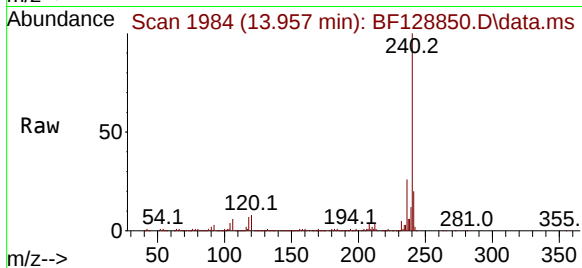




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.957 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF128850.D  
Acq: 17 Jun 2022 12:48

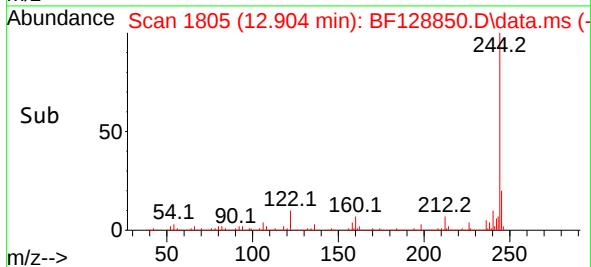
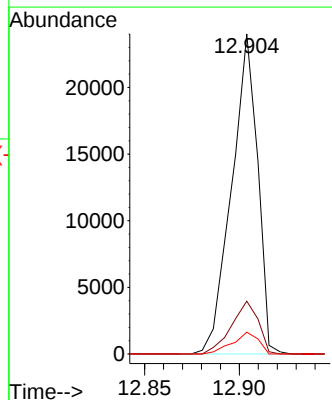
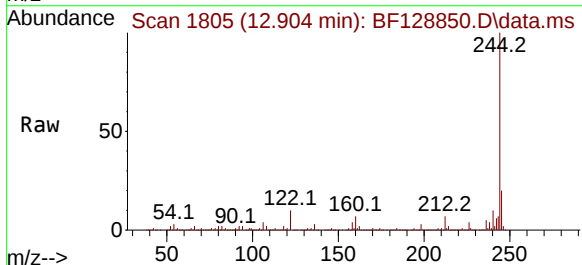
Instrument :  
BNA\_F  
ClientSampleId :  
PB145586BL

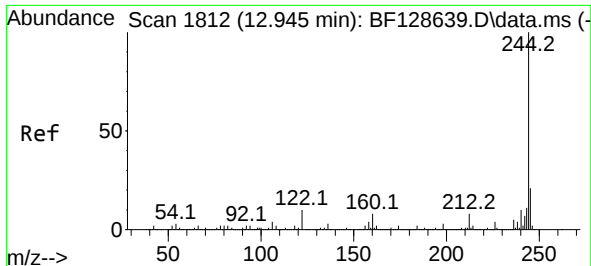
Tgt Ion:240 Resp: 354304  
Ion Ratio Lower Upper  
240 100  
120 8.1 8.9 13.3#  
236 26.4 20.8 31.2



#77  
Benzidine  
Concen: 3.237 ng  
RT: 12.904 min Scan# 1805  
Delta R.T. 0.253 min  
Lab File: BF128850.D  
Acq: 17 Jun 2022 12:48

Tgt Ion:184 Resp: 22864  
Ion Ratio Lower Upper  
184 100  
185 16.5 11.9 17.9  
183 6.8 9.3 13.9#

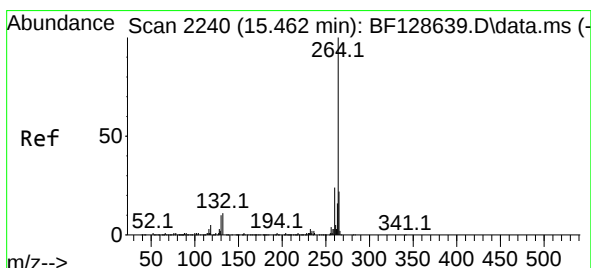
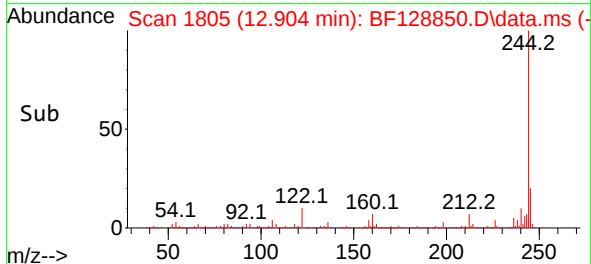
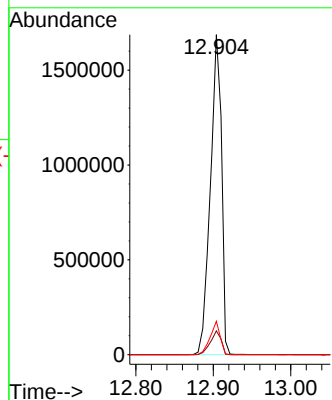
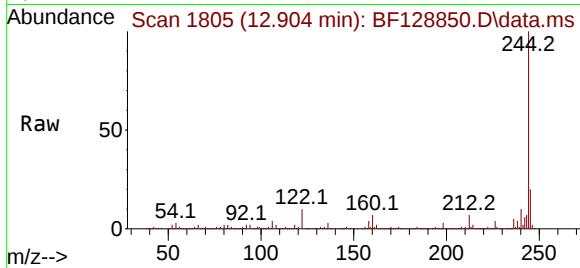




#79  
 Terphenyl-d14  
 Concen: 82.715 ng  
 RT: 12.904 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF128850.D  
 Acq: 17 Jun 2022 12:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB145586BL

Tgt Ion:244 Resp: 1686553  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 6.1 9.1  
 122 10.5 8.8 13.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.416 min Scan# 2232  
 Delta R.T. 0.000 min  
 Lab File: BF128850.D  
 Acq: 17 Jun 2022 12:48

Tgt Ion:264 Resp: 286724  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 18.4 27.6  
 265 20.2 17.2 25.8

