

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051022\  
 Data File : BF128163.D  
 Acq On : 10 May 2022 16:40  
 Operator : CG\JU  
 Sample : N2745-05  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-31D

Quant Time: May 11 04:00:31 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 09 15:30:11 2022  
 Response via : Initial Calibration

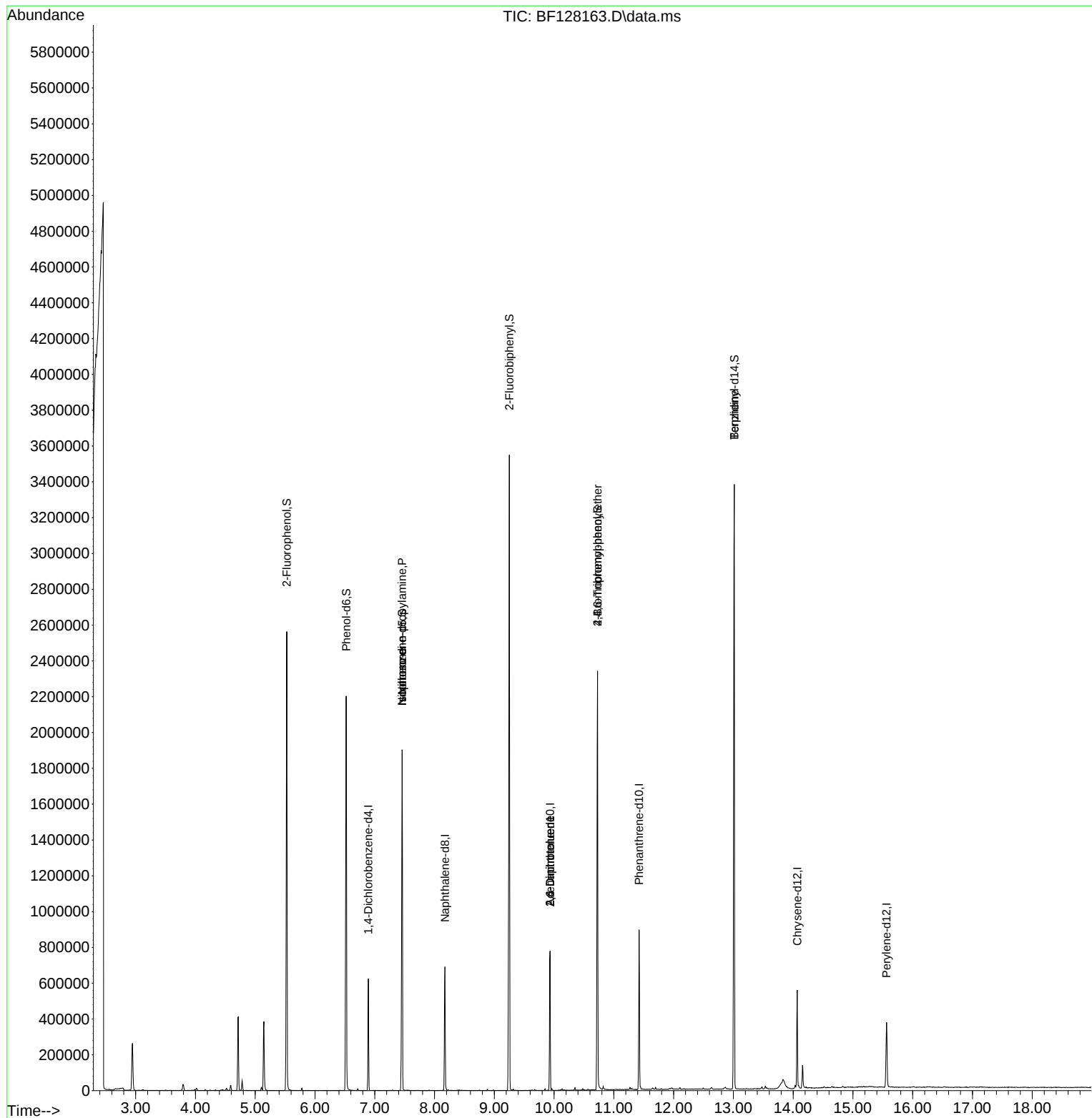
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 77591    | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 298095   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.933  | 164  | 168983   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.422 | 188  | 307906   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 14.068 | 240  | 179642   | 20.000    | ng     | -0.01    |
| 86) Perylene-d12              | 15.562 | 264  | 172872   | 20.000    | ng     | -0.01    |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.528  | 112  | 639793   | 131.448   | ng     | 0.01     |
| 7) Phenol-d6                  | 6.522  | 99   | 768792   | 119.420   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 670674   | 101.236   | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.727 | 330  | 286710   | 147.939   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 1092685  | 101.177   | ng     | 0.00     |
| 79) Terphenyl-d14             | 13.016 | 244  | 1245868  | 130.135   | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.416  | 77   | 53       | Below Cal | #      | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.457  | 70   | 92854    | 23.421    | ng     | # 81     |
| 25) Isophorone                | 7.457  | 82   | 669270   | 64.439    | ng     | # 68     |
| 51) 2,6-Dinitrotoluene        | 9.933  | 165  | 21873    | 9.144     | ng     | # 21     |
| 57) 2,4-Dinitrotoluene        | 9.933  | 165  | 21873    | 6.838     | ng     | # 26     |
| 67) 4-Bromophenyl-phenylether | 10.727 | 248  | 17347    | 5.237     | ng     | # 1      |
| 77) Benzydine                 | 13.016 | 184  | 18238    | 4.688     | ng     | # 92     |
| -----                         |        |      |          |           |        |          |

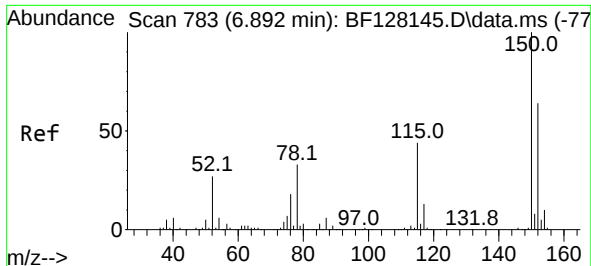
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051022\  
Data File : BF128163.D  
Acq On : 10 May 2022 16:40  
Operator : CG\JU  
Sample : N2745-05  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-31D

Quant Time: May 11 04:00:31 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon May 09 15:30:11 2022  
Response via : Initial Calibration

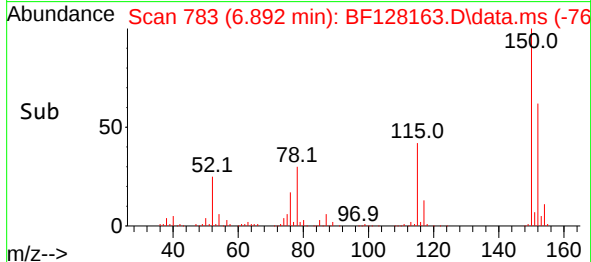
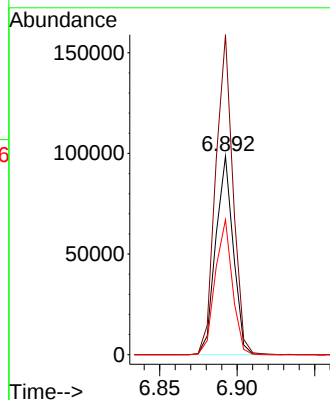
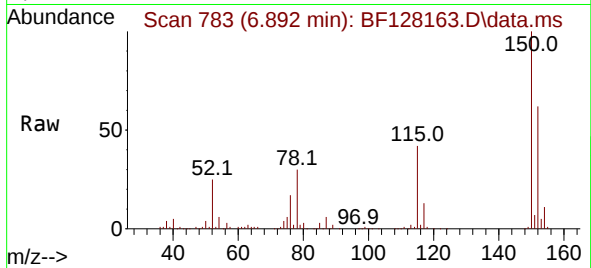




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.892 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: BF128163.D  
 Acq: 10 May 2022 16:40

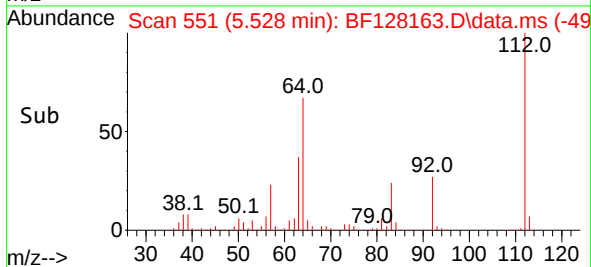
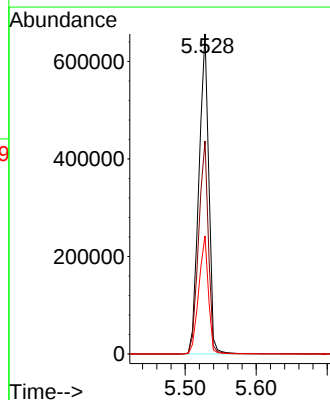
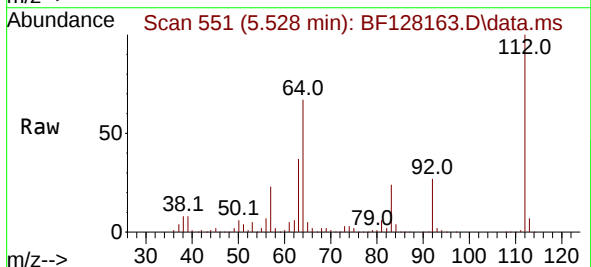
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-31D

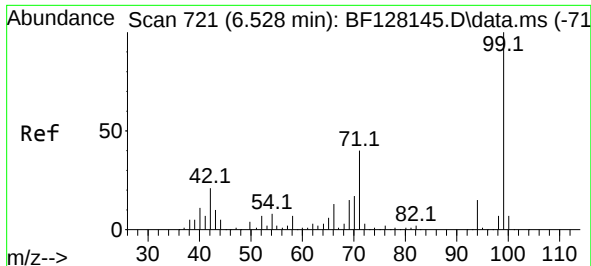
Tgt Ion:152 Resp: 77591  
 Ion Ratio Lower Upper  
 152 100  
 150 161.2 125.3 187.9  
 115 68.0 48.8 73.2



#5  
 2-Fluorophenol  
 Concen: 131.448 ng  
 RT: 5.528 min Scan# 551  
 Delta R.T. 0.012 min  
 Lab File: BF128163.D  
 Acq: 10 May 2022 16:40

Tgt Ion:112 Resp: 639793  
 Ion Ratio Lower Upper  
 112 100  
 64 66.6 49.5 74.3  
 63 36.9 26.3 39.5

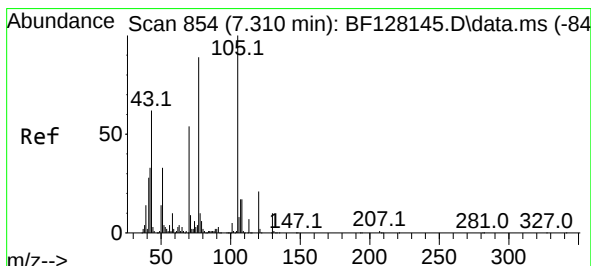
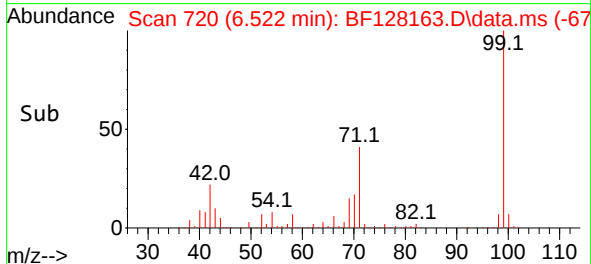
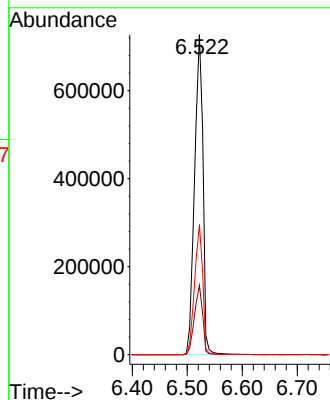
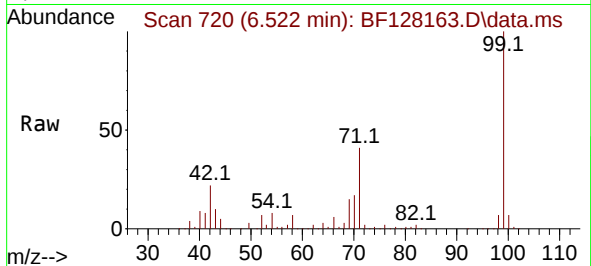




#7  
Phenol-d6  
Concen: 119.420 ng  
RT: 6.522 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF128163.D  
Acq: 10 May 2022 16:40

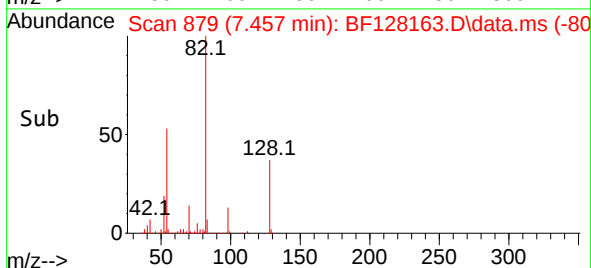
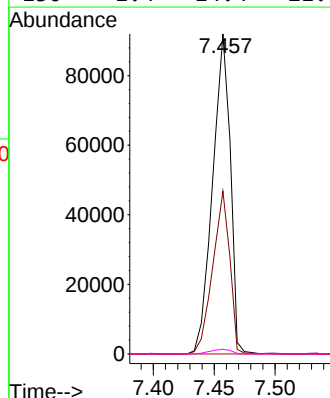
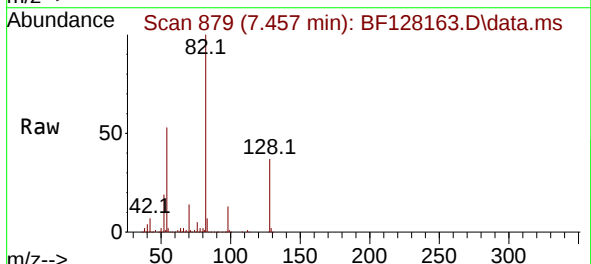
Instrument :  
BNA\_F  
ClientSampleId :  
MH-31D

Tgt Ion: 99 Resp: 768792  
Ion Ratio Lower Upper  
99 100  
42 21.6 16.6 24.8  
71 40.6 30.0 45.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 23.421 ng  
RT: 7.457 min Scan# 879  
Delta R.T. 0.147 min  
Lab File: BF128163.D  
Acq: 10 May 2022 16:40

Tgt Ion: 70 Resp: 92854  
Ion Ratio Lower Upper  
70 100  
42 50.9 48.7 73.1  
101 0.0 7.2 10.8#  
130 1.4 14.4 21.6#

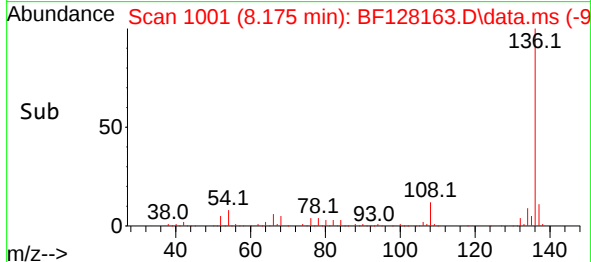
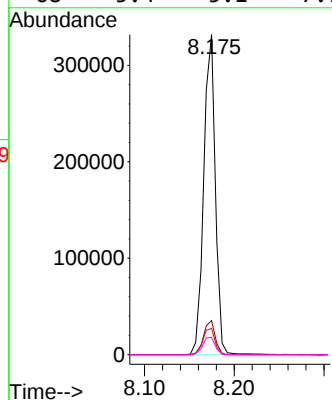
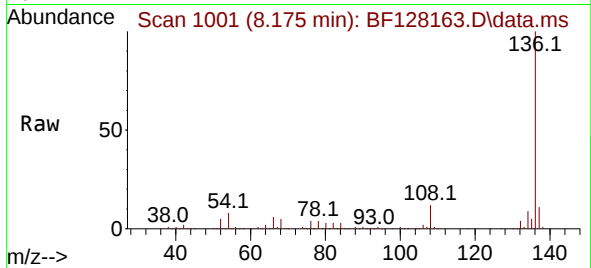




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BF128163.D  
Acq: 10 May 2022 16:40

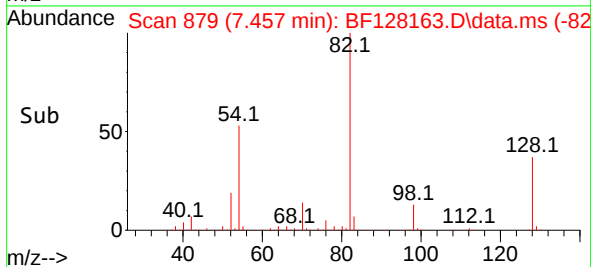
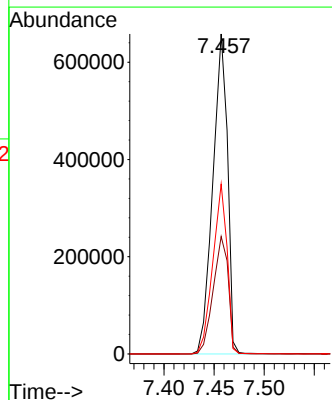
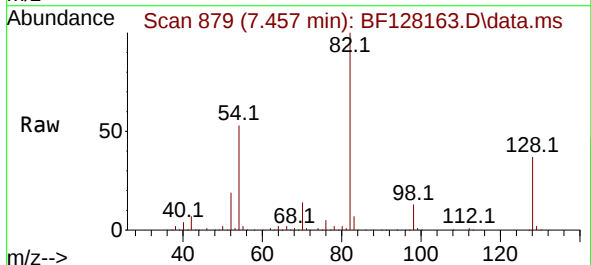
Instrument :  
BNA\_F  
ClientSampleId :  
MH-31D

|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 298095 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.6    | 8.6 13.0     |
| 54 8.2      | 6.8 10.2     |
| 68 5.4      | 5.1 7.7      |



#23  
Nitrobenzene-d5  
Concen: 101.236 ng  
RT: 7.457 min Scan# 879  
Delta R.T. -0.006 min  
Lab File: BF128163.D  
Acq: 10 May 2022 16:40

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 670674 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 36.7    | 30.0 45.0    |
| 54 53.1     | 41.3 61.9    |

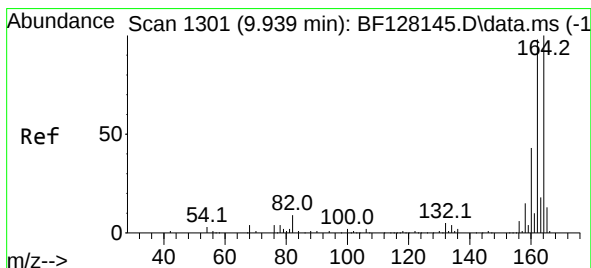
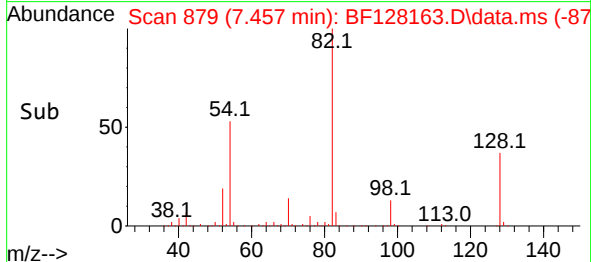
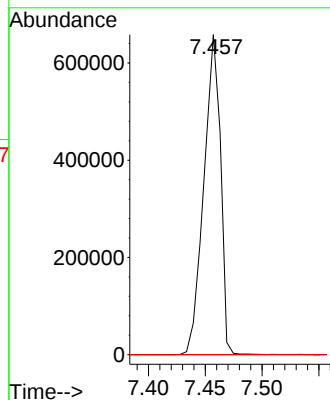
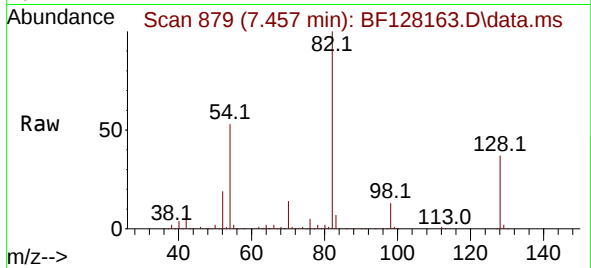




#25  
Isophorone  
Concen: 64.439 ng  
RT: 7.457 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF128163.D  
Acq: 10 May 2022 16:40

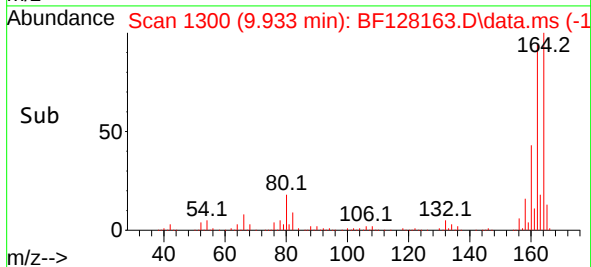
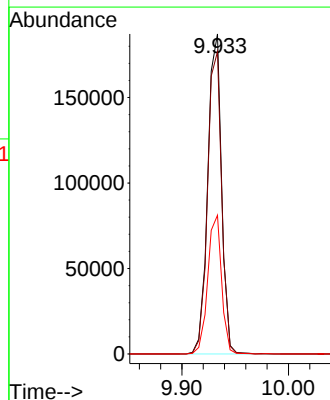
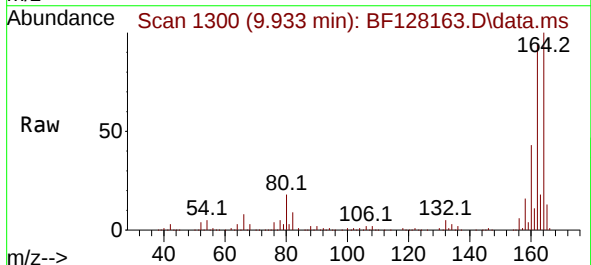
Instrument :  
BNA\_F  
ClientSampleId :  
MH-31D

Tgt Ion: 82 Resp: 669270  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 12.5 18.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.933 min Scan# 1300  
Delta R.T. -0.006 min  
Lab File: BF128163.D  
Acq: 10 May 2022 16:40

Tgt Ion:164 Resp: 168983  
Ion Ratio Lower Upper  
164 100  
162 94.5 76.0 114.0  
160 43.3 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 147.939 ng

RT: 10.727 min Scan# 1435

Delta R.T. -0.006 min

Lab File: BF128163.D

Acq: 10 May 2022 16:40

Instrument :

BNA\_F

ClientSampleId :

MH-31D

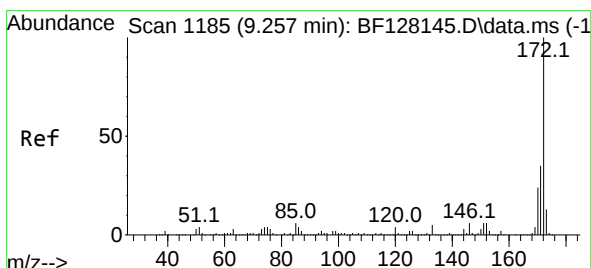
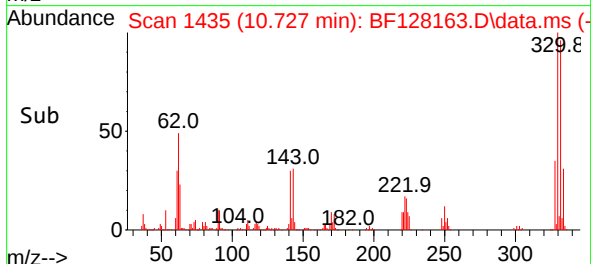
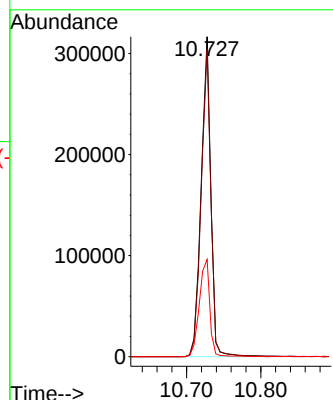
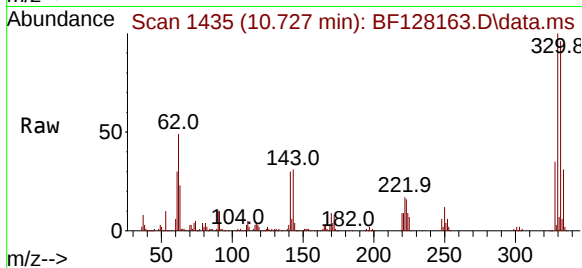
Tgt Ion:330 Resp: 286710

Ion Ratio Lower Upper

330 100

332 96.3 79.0 118.4

141 33.0 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 101.177 ng

RT: 9.251 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF128163.D

Acq: 10 May 2022 16:40

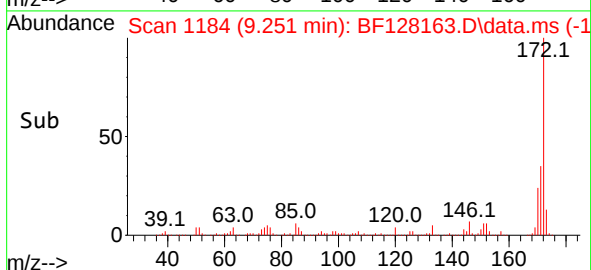
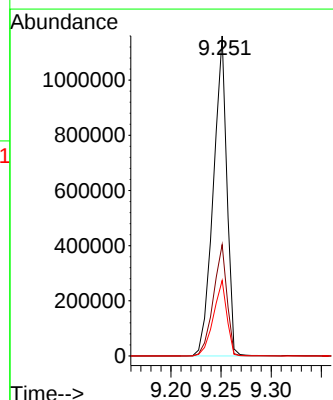
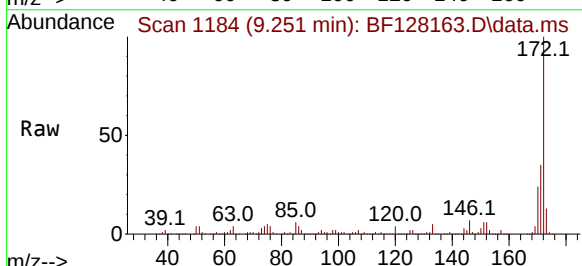
Tgt Ion:172 Resp: 1092685

Ion Ratio Lower Upper

172 100

171 34.8 28.6 42.8

170 23.6 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.144 ng

RT: 9.933 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF128163.D

Acq: 10 May 2022 16:40

Instrument :

BNA\_F

ClientSampleId :

MH-31D

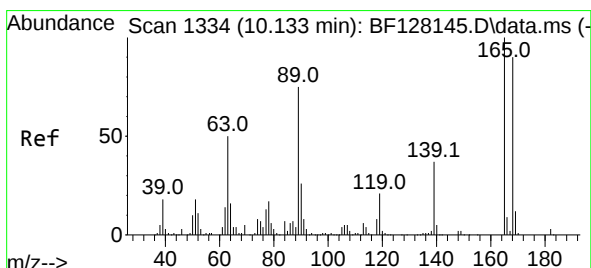
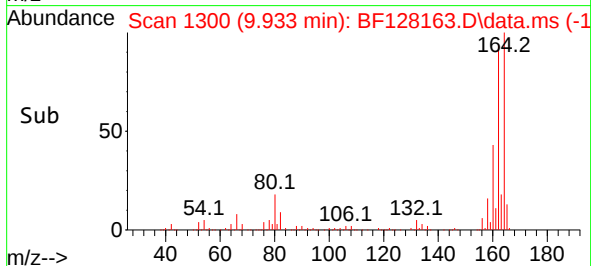
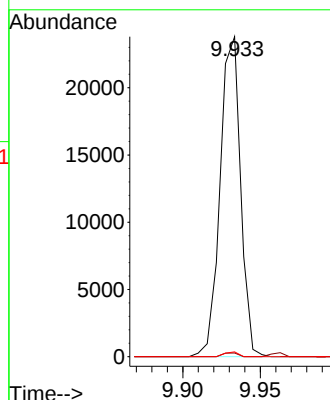
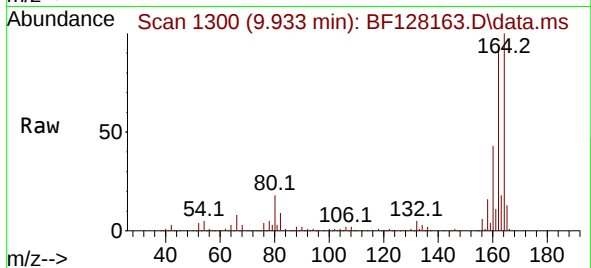
Tgt Ion:165 Resp: 21873

Ion Ratio Lower Upper

165 100

63 1.1 49.5 74.3#

89 1.5 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 6.838 ng

RT: 9.933 min Scan# 1300

Delta R.T. -0.200 min

Lab File: BF128163.D

Acq: 10 May 2022 16:40

Tgt Ion:165 Resp: 21873

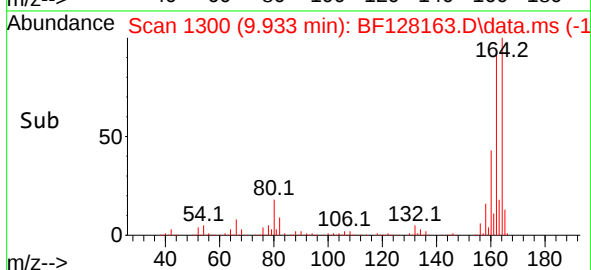
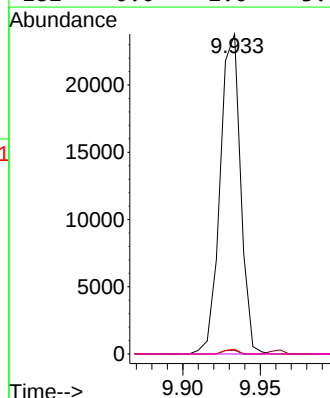
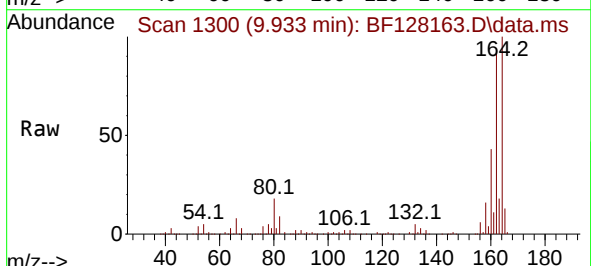
Ion Ratio Lower Upper

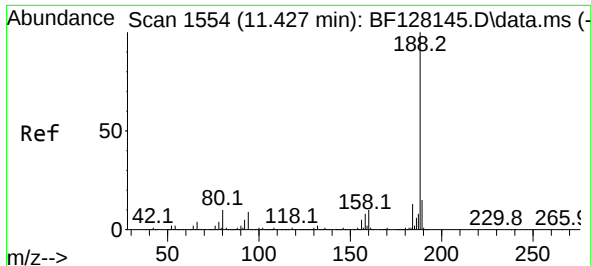
165 100

63 1.1 32.6 49.0#

89 1.5 55.2 82.8#

182 0.0 2.0 3.0#

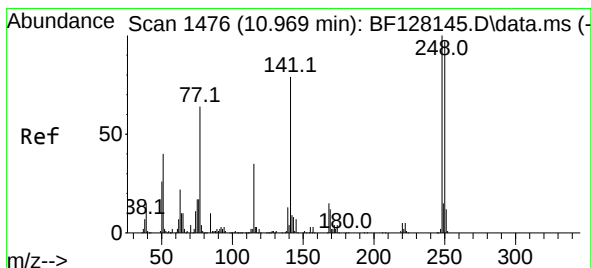
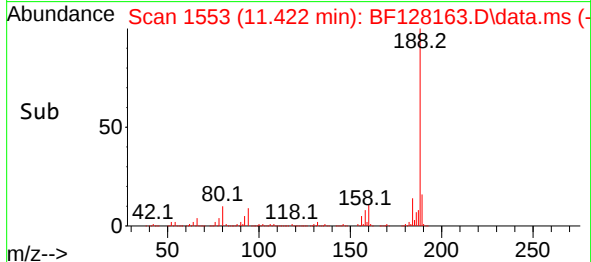
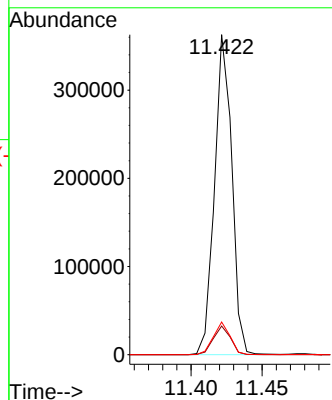
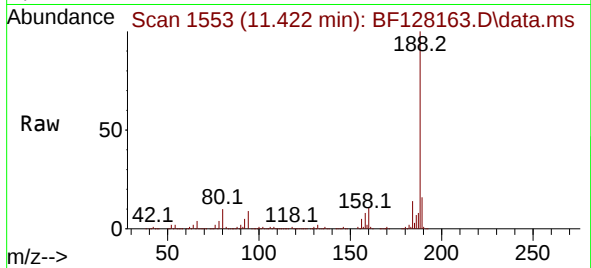




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.422 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF128163.D  
Acq: 10 May 2022 16:40

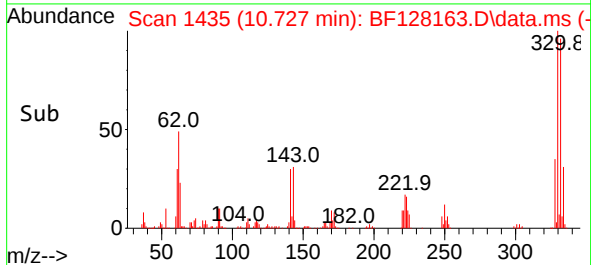
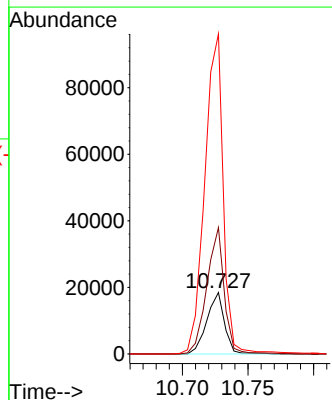
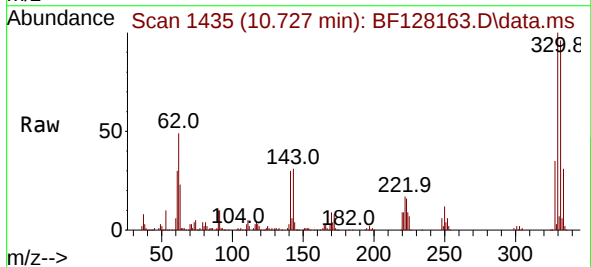
Instrument :  
BNA\_F  
ClientSampleId :  
MH-31D

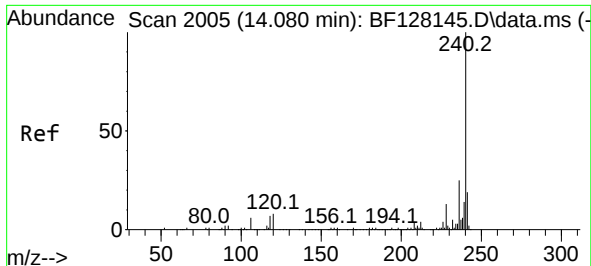
Tgt Ion:188 Resp: 307906  
Ion Ratio Lower Upper  
188 100  
94 8.9 8.0 12.0  
80 10.2 8.9 13.3



#67  
4-Bromophenyl-phenylether  
Concen: 5.237 ng  
RT: 10.727 min Scan# 1435  
Delta R.T. -0.241 min  
Lab File: BF128163.D  
Acq: 10 May 2022 16:40

Tgt Ion:248 Resp: 17347  
Ion Ratio Lower Upper  
248 100  
250 205.6 77.7 116.5#  
141 520.5 65.6 98.4#

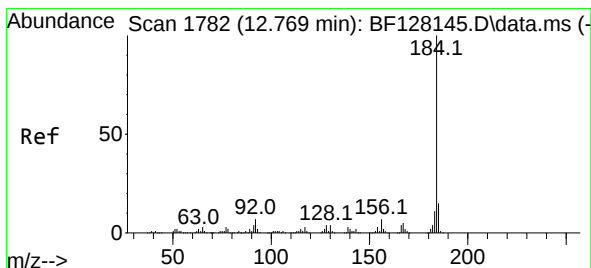
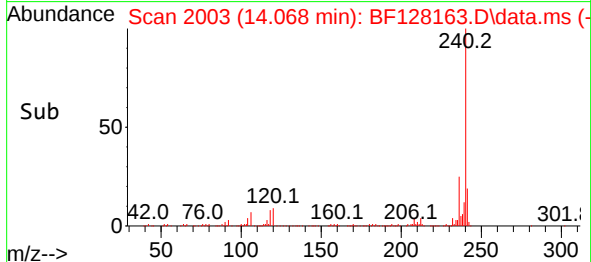
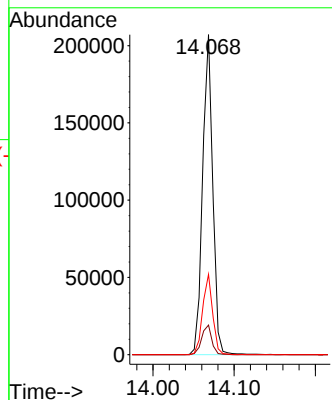
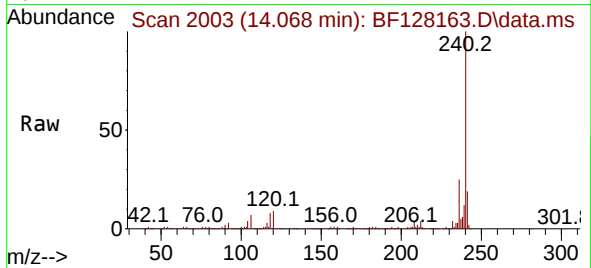




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.068 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF128163.D  
Acq: 10 May 2022 16:40

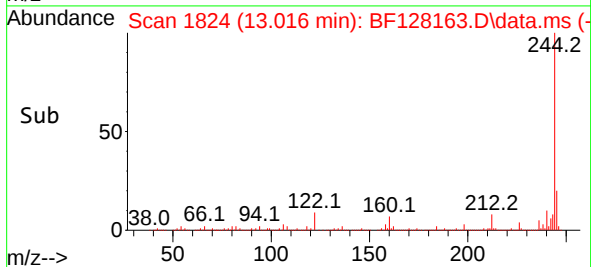
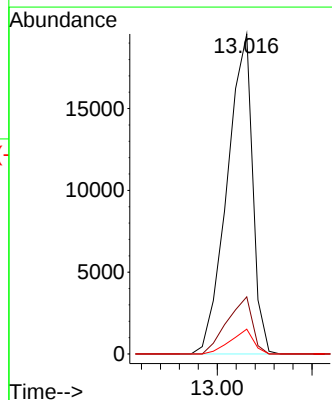
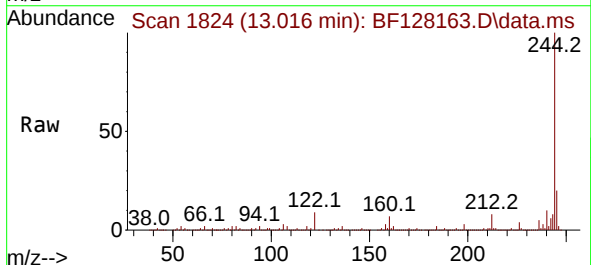
Instrument :  
BNA\_F  
ClientSampleId :  
MH-31D

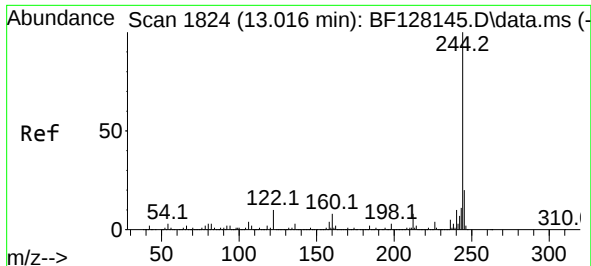
Tgt Ion:240 Resp: 179642  
Ion Ratio Lower Upper  
240 100  
120 9.3 7.0 10.6  
236 25.1 20.3 30.5



#77  
Benzidine  
Concen: 4.688 ng  
RT: 13.016 min Scan# 1824  
Delta R.T. 0.247 min  
Lab File: BF128163.D  
Acq: 10 May 2022 16:40

Tgt Ion:184 Resp: 18238  
Ion Ratio Lower Upper  
184 100  
185 17.9 12.1 18.1  
183 7.7 9.0 13.4#

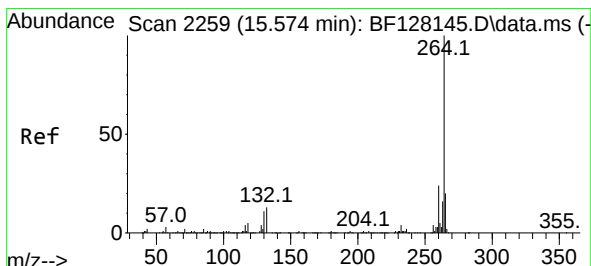
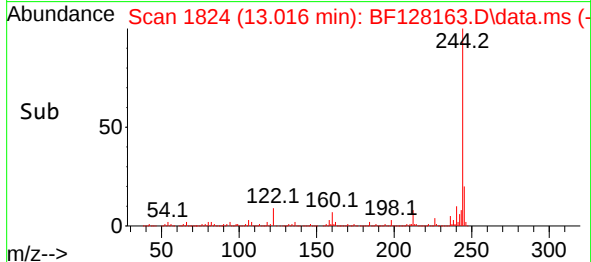
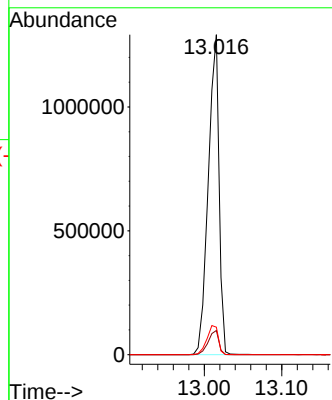
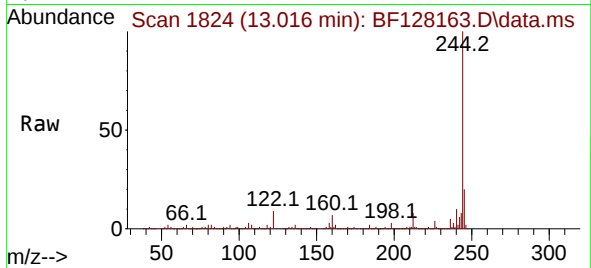




#79  
 Terphenyl-d14  
 Concen: 130.135 ng  
 RT: 13.016 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BF128163.D  
 Acq: 10 May 2022 16:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-31D

Tgt Ion:244 Resp: 1245868  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.2 9.4  
 122 8.6 8.6 12.8



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.562 min Scan# 2257  
 Delta R.T. -0.012 min  
 Lab File: BF128163.D  
 Acq: 10 May 2022 16:40

Tgt Ion:264 Resp: 172872  
 Ion Ratio Lower Upper  
 264 100  
 260 21.9 20.1 30.1  
 265 20.7 17.5 26.3

