

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032122\  
 Data File : BF127425.D  
 Acq On : 22 Mar 2022 00:24  
 Operator : CG\JU  
 Sample : PB143487BL  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB143487BL

Quant Time: Mar 22 05:06:35 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF032122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 22 02:16:33 2022  
 Response via : Initial Calibration

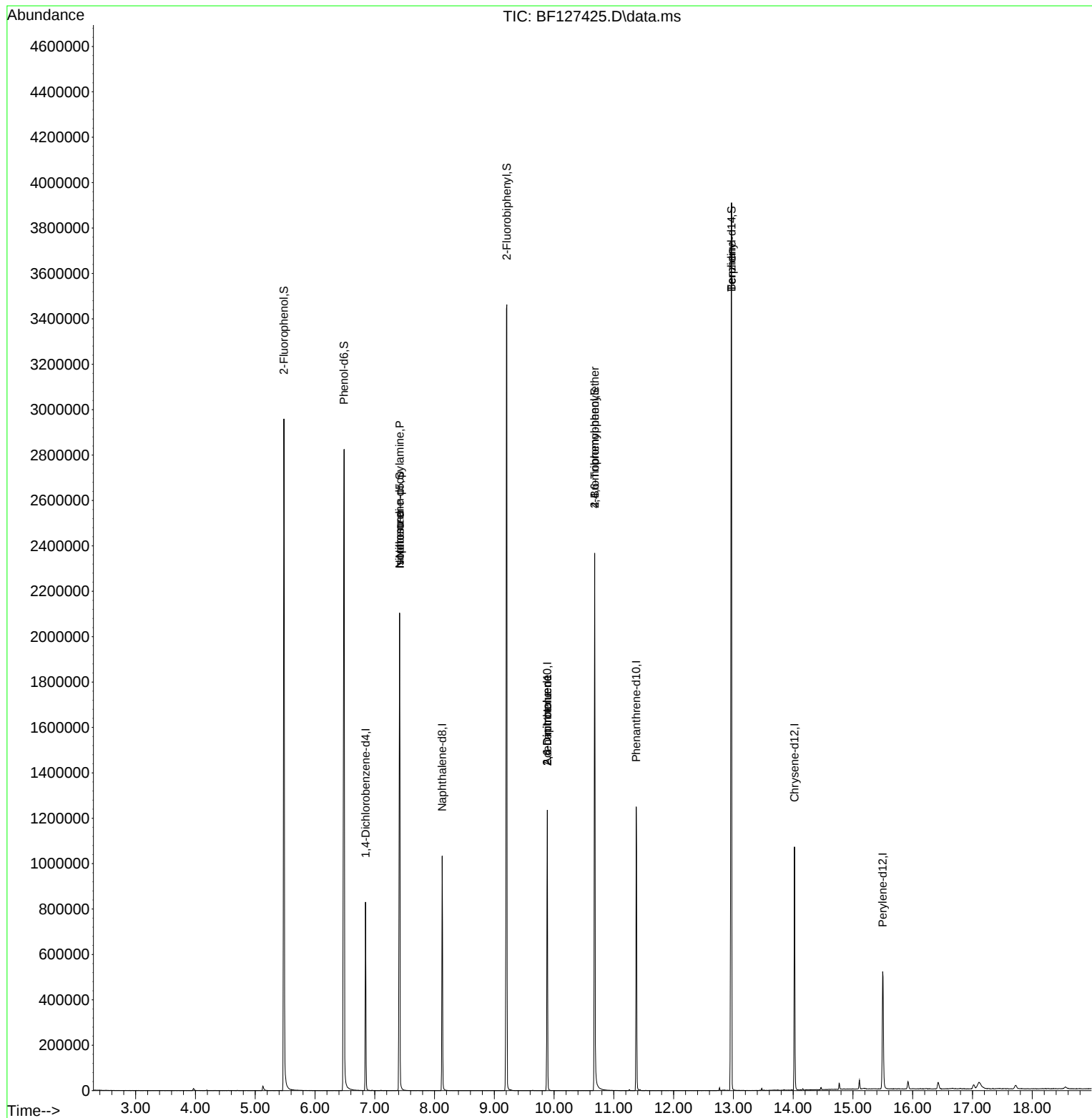
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 111787   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.128  | 136  | 413574   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.886  | 164  | 243657   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.374 | 188  | 452394   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.021 | 240  | 356837   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 249922   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 788850   | 112.641   | ng    | 0.01     |
| 7) Phenol-d6                  | 6.487  | 99   | 1071226  | 111.902   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.416  | 82   | 748338   | 77.346    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.680 | 330  | 289767   | 111.639   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.210  | 172  | 1243507  | 74.523    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.968 | 244  | 1550764  | 71.143    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.487  | 77   | 1477     | Below Cal | #     | 7        |
| 19) n-Nitroso-di-n-propyla... | 7.416  | 70   | 102381   | 17.842    | ng    | # 78     |
| 25) Isophorone                | 7.416  | 82   | 748333   | 48.562    | ng    | # 70     |
| 51) 2,6-Dinitrotoluene        | 9.886  | 165  | 30016    | 8.436     | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.886  | 165  | 30016    | 6.554     | ng    | # 13     |
| 58) Fluorene                  | 10.680 | 166  | 9963     | Below Cal | #     | 88       |
| 67) 4-Bromophenyl-phenylether | 10.680 | 248  | 18479    | 3.499     | ng    | # 1      |
| 77) Benzidine                 | 12.968 | 184  | 18850    | 2.215     | ng    | # 92     |
| -----                         |        |      |          |           |       |          |

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

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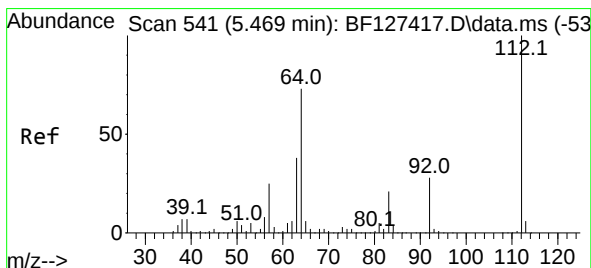
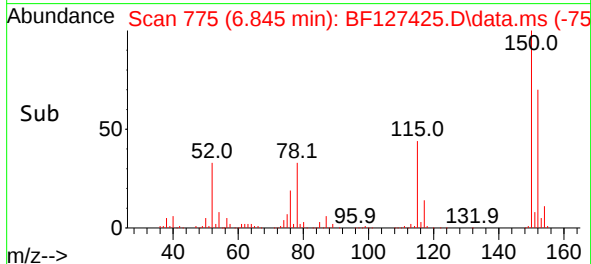
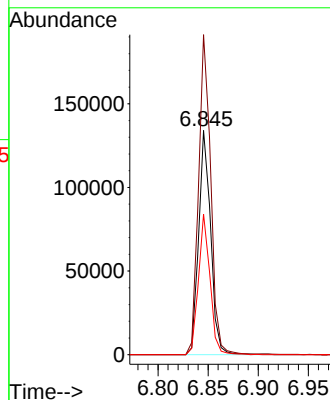
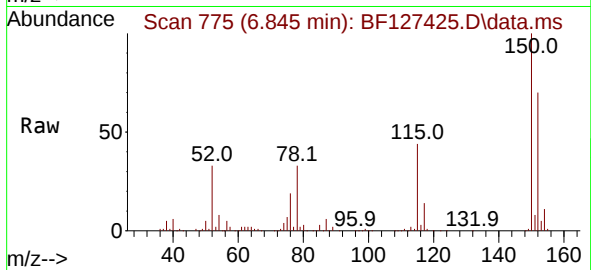




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.845 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: BF127425.D  
 Acq: 22 Mar 2022 00:24

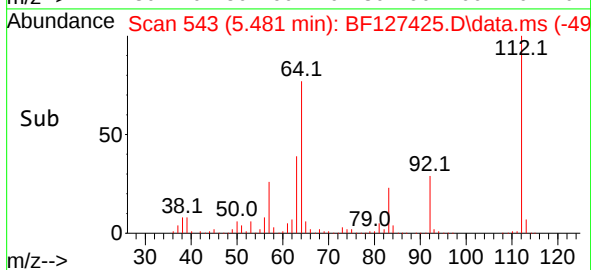
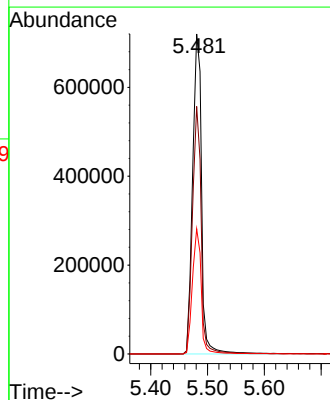
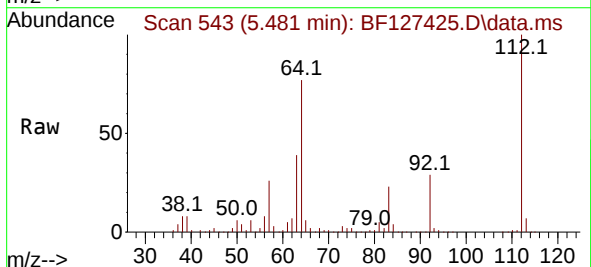
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB143487BL

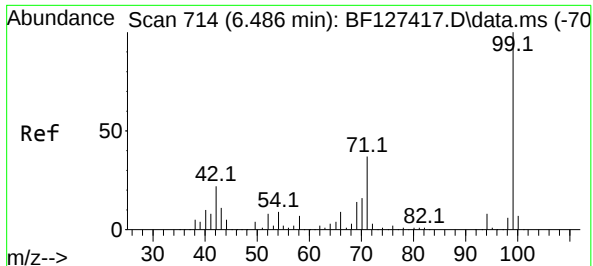
Tgt Ion:152 Resp: 111787  
 Ion Ratio Lower Upper  
 152 100  
 150 142.8 117.2 175.8  
 115 62.8 49.8 74.6



#5  
 2-Fluorophenol  
 Concen: 112.641 ng  
 RT: 5.481 min Scan# 543  
 Delta R.T. 0.012 min  
 Lab File: BF127425.D  
 Acq: 22 Mar 2022 00:24

Tgt Ion:112 Resp: 788850  
 Ion Ratio Lower Upper  
 112 100  
 64 77.3 58.4 87.6  
 63 39.1 30.1 45.1

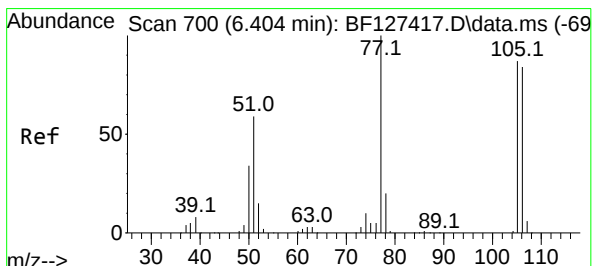
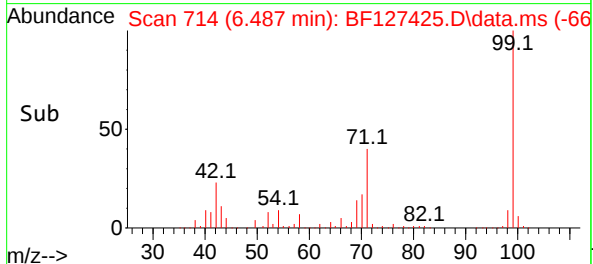
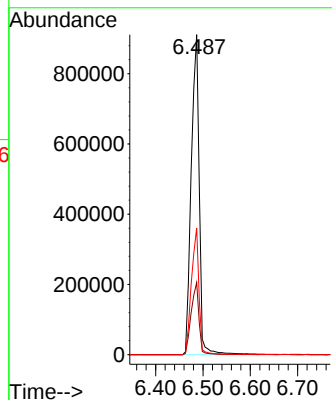
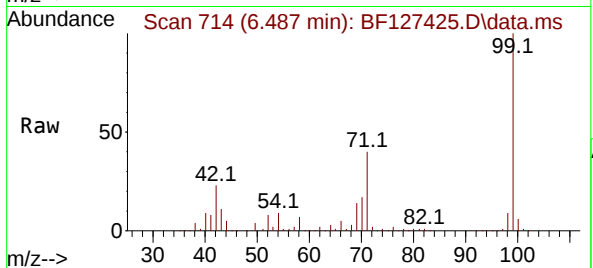




#7  
Phenol-d6  
Concen: 111.902 ng  
RT: 6.487 min Scan# 714  
Delta R.T. 0.000 min  
Lab File: BF127425.D  
Acq: 22 Mar 2022 00:24

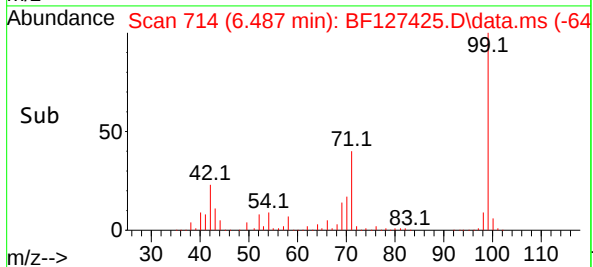
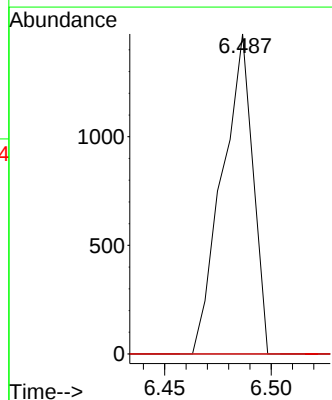
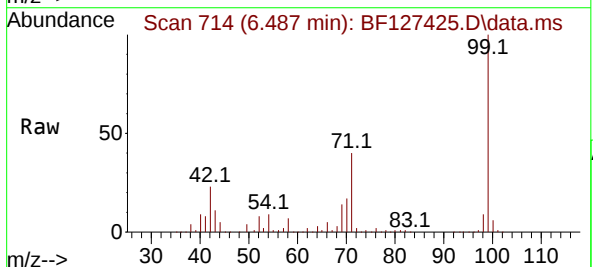
Instrument :  
BNA\_F  
ClientSampleId :  
PB143487BL

Tgt Ion: 99 Resp: 1071226  
Ion Ratio Lower Upper  
99 100  
42 22.6 17.8 26.6  
71 39.6 29.6 44.4



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.487 min Scan# 714  
Delta R.T. 0.083 min  
Lab File: BF127425.D  
Acq: 22 Mar 2022 00:24

Tgt Ion: 77 Resp: 1477  
Ion Ratio Lower Upper  
77 100  
105 0.0 66.8 106.8#  
106 0.0 64.3 104.3#





#19

n-Nitroso-di-n-propylamine

Concen: 17.842 ng

RT: 7.416 min Scan# 81

Delta R.T. 0.153 min

Lab File: BF127425.D

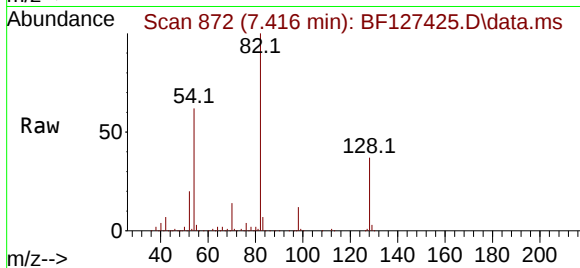
Acq: 22 Mar 2022 00:24

Instrument :

BNA\_F

ClientSampleId :

PB143487BL



Tgt Ion: 70 Resp: 102381

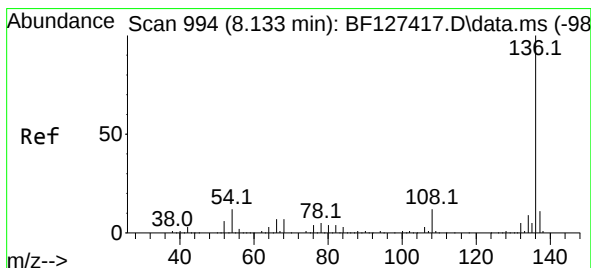
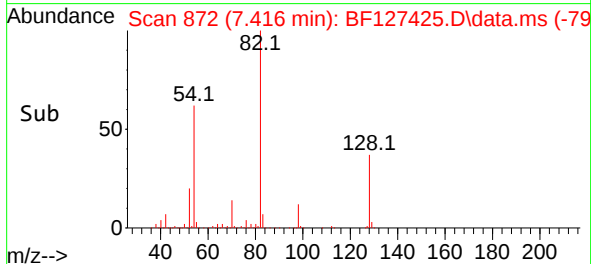
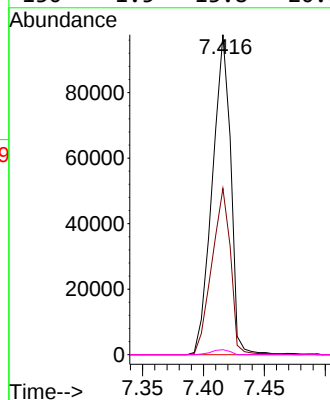
Ion Ratio Lower Upper

70 100

42 51.9 53.0 79.6#

101 0.0 6.8 10.2#

130 1.5 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 993

Delta R.T. -0.006 min

Lab File: BF127425.D

Acq: 22 Mar 2022 00:24

Tgt Ion: 136 Resp: 413574

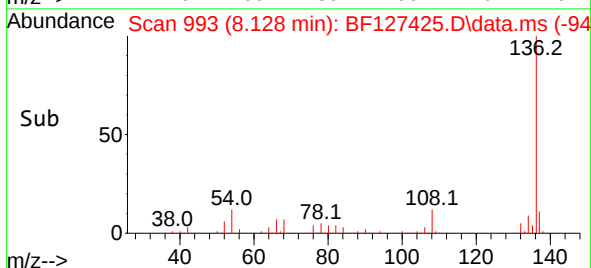
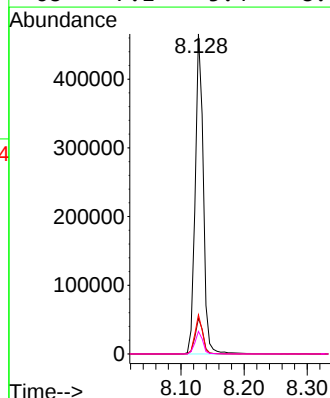
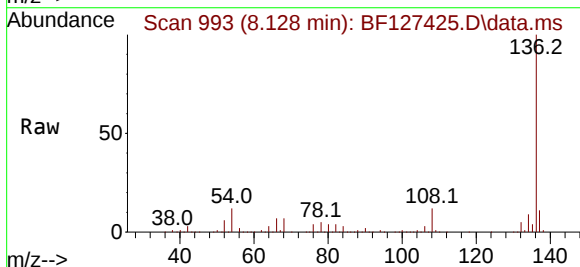
Ion Ratio Lower Upper

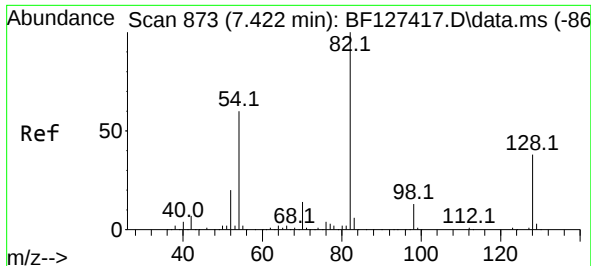
136 100

137 11.1 8.6 13.0

54 12.2 9.2 13.8

68 7.1 5.4 8.0





#23

Nitrobenzene-d5

Concen: 77.346 ng

RT: 7.416 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127425.D

Acq: 22 Mar 2022 00:24

Instrument :

BNA\_F

ClientSampleId :

PB143487BL

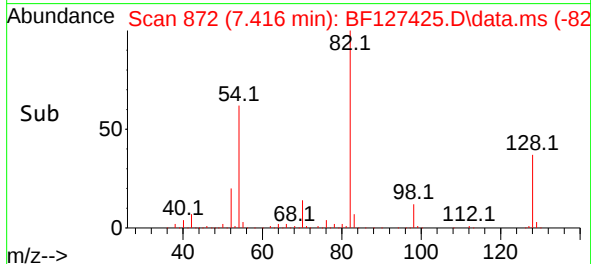
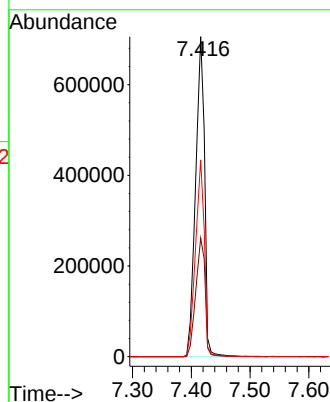
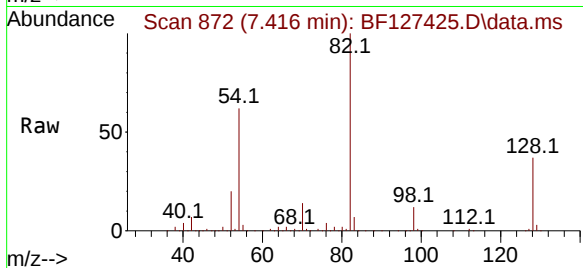
Tgt Ion: 82 Resp: 748338

Ion Ratio Lower Upper

82 100

128 37.1 30.6 45.8

54 61.5 48.2 72.2



#25

Isophorone

Concen: 48.562 ng

RT: 7.416 min Scan# 872

Delta R.T. -0.259 min

Lab File: BF127425.D

Acq: 22 Mar 2022 00:24

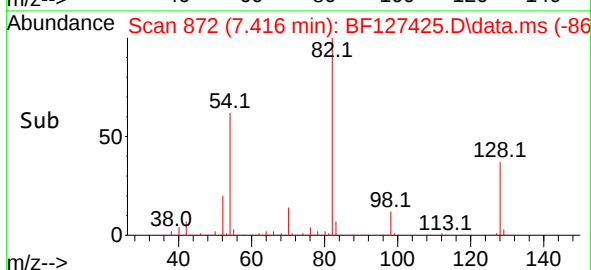
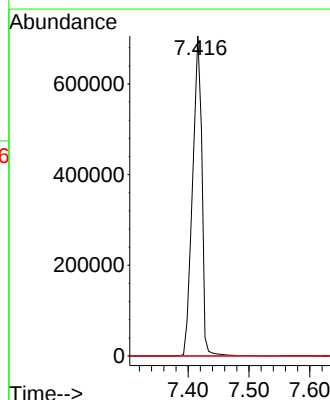
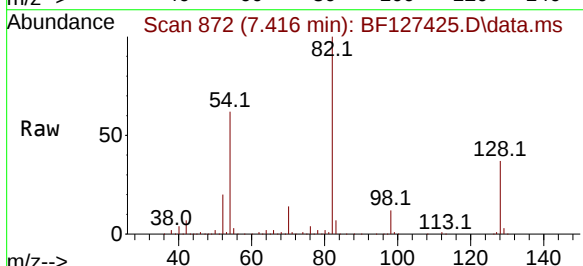
Tgt Ion: 82 Resp: 748333

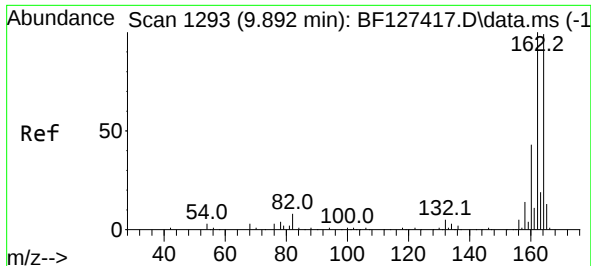
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BF127425.D

Acq: 22 Mar 2022 00:24

Instrument :

BNA\_F

ClientSampleId :

PB143487BL

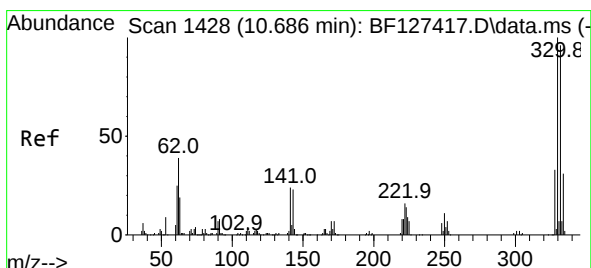
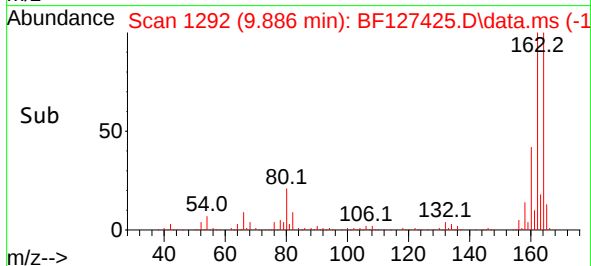
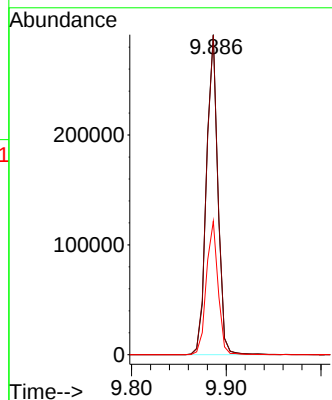
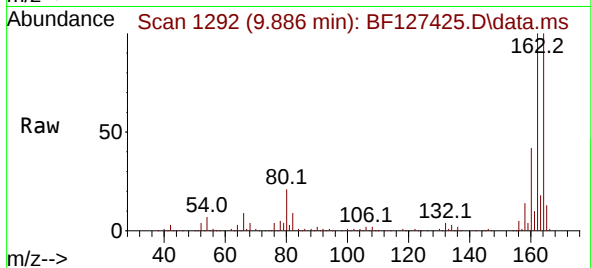
Tgt Ion:164 Resp: 243657

Ion Ratio Lower Upper

164 100

162 99.8 81.2 121.8

160 41.7 34.6 52.0



#42

2,4,6-Tribromophenol

Concen: 111.639 ng

RT: 10.680 min Scan# 1427

Delta R.T. -0.006 min

Lab File: BF127425.D

Acq: 22 Mar 2022 00:24

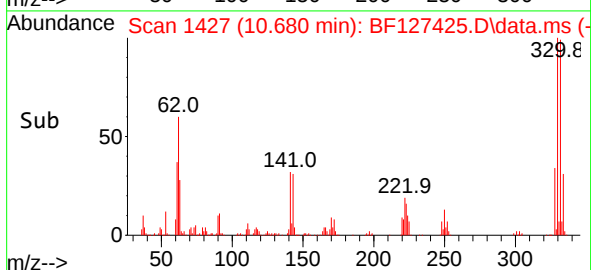
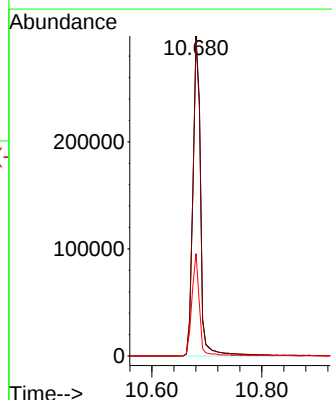
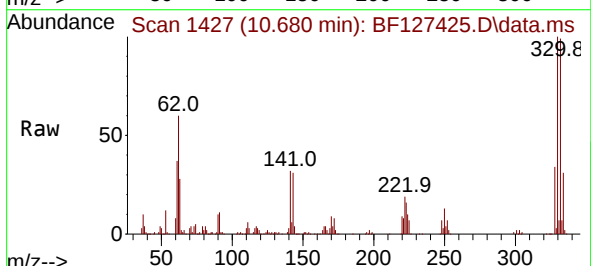
Tgt Ion:330 Resp: 289767

Ion Ratio Lower Upper

330 100

332 97.6 79.1 118.7

141 31.5 26.2 39.4

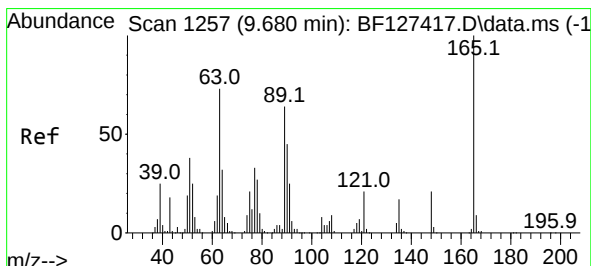
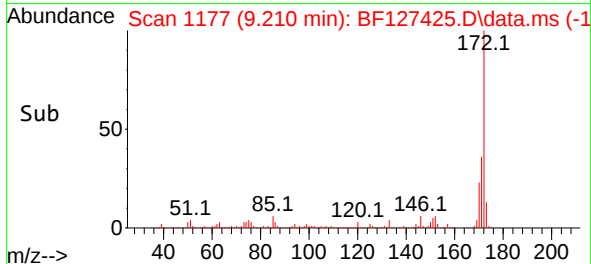
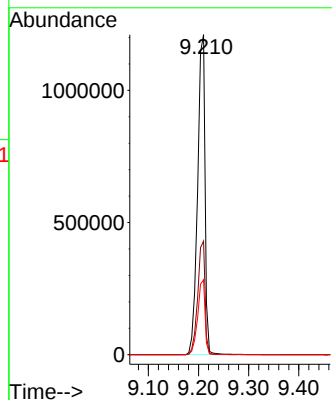
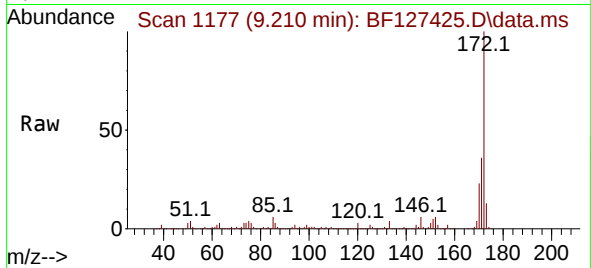




#45  
2-Fluorobiphenyl  
Concen: 74.523 ng  
RT: 9.210 min Scan# 1177  
Delta R.T. 0.000 min  
Lab File: BF127425.D  
Acq: 22 Mar 2022 00:24

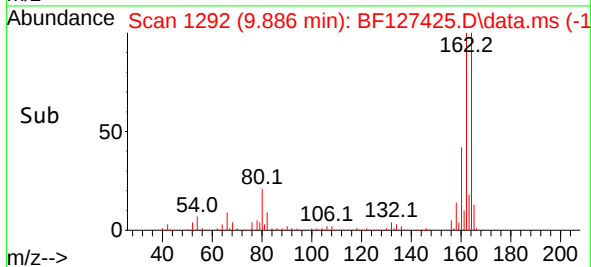
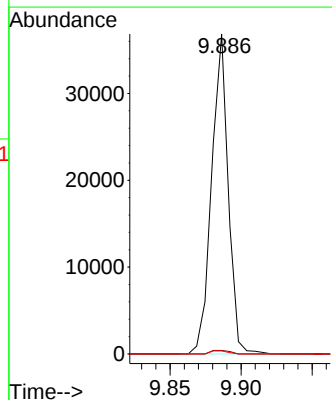
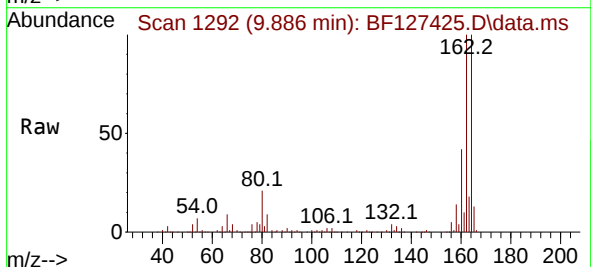
Instrument :  
BNA\_F  
ClientSampleId :  
PB143487BL

Tgt Ion:172 Resp: 1243507  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.4 42.6  
170 23.4 18.6 27.8



#51  
2,6-Dinitrotoluene  
Concen: 8.436 ng  
RT: 9.886 min Scan# 1292  
Delta R.T. 0.206 min  
Lab File: BF127425.D  
Acq: 22 Mar 2022 00:24

Tgt Ion:165 Resp: 30016  
Ion Ratio Lower Upper  
165 100  
63 1.1 58.3 87.5#  
89 1.0 51.5 77.3#

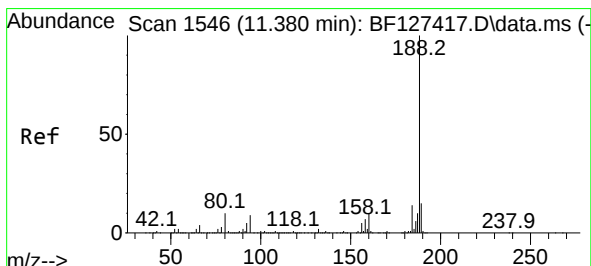
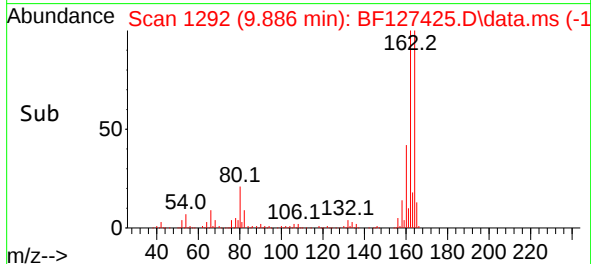
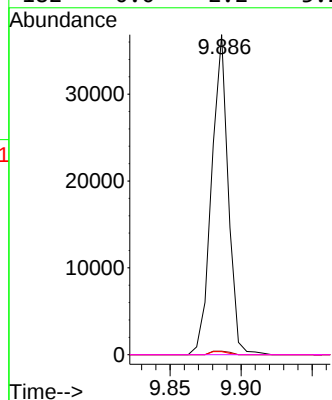
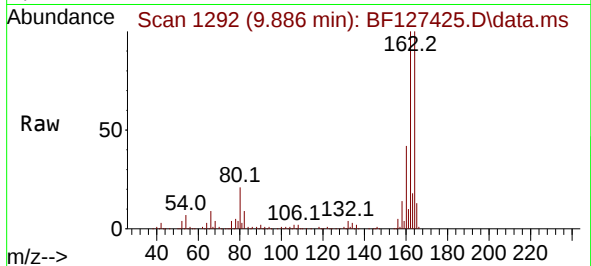




#57  
2,4-Dinitrotoluene  
Concen: 6.554 ng  
RT: 9.886 min Scan# 11  
Delta R.T. -0.200 min  
Lab File: BF127425.D  
Acq: 22 Mar 2022 00:24

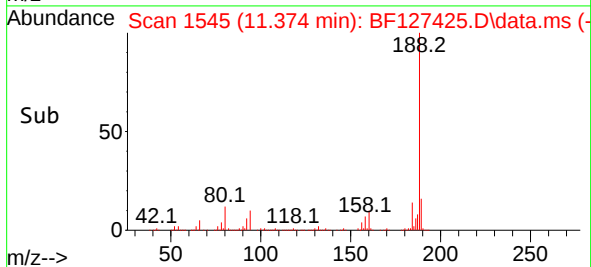
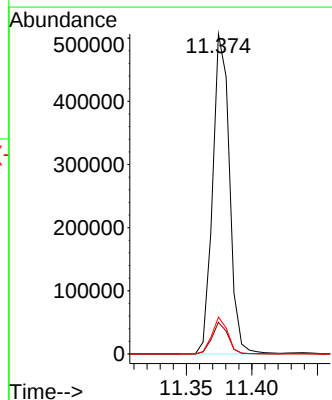
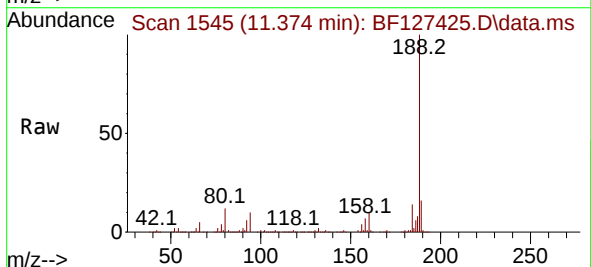
Instrument :  
BNA\_F  
ClientSampleId :  
PB143487BL

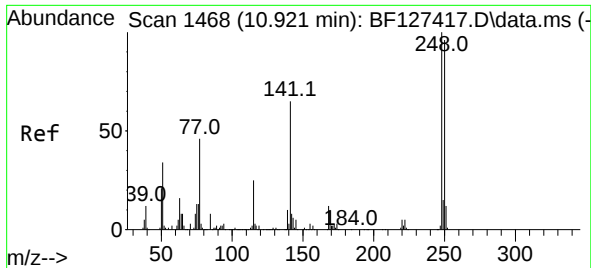
Tgt Ion:165 Resp: 30016  
Ion Ratio Lower Upper  
165 100  
63 1.1 53.1 79.7#  
89 1.0 69.2 103.8#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.374 min Scan# 1545  
Delta R.T. -0.006 min  
Lab File: BF127425.D  
Acq: 22 Mar 2022 00:24

Tgt Ion:188 Resp: 452394  
Ion Ratio Lower Upper  
188 100  
94 9.9 7.4 11.0  
80 11.5 8.0 12.0

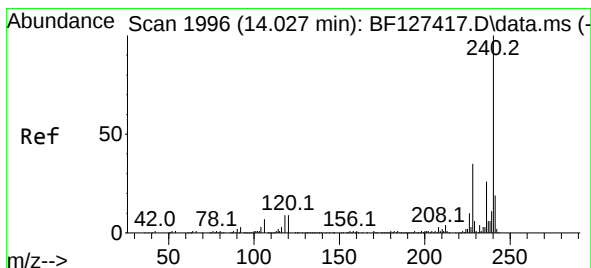
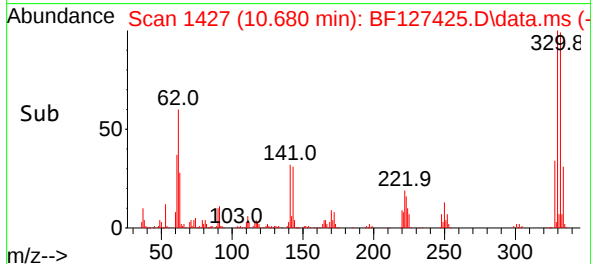
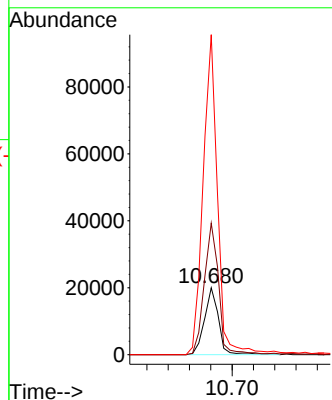
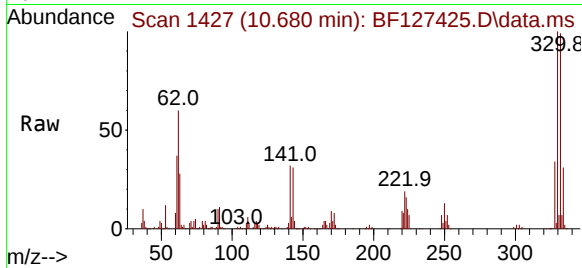




#67  
4-Bromophenyl-phenylether  
Concen: 3.499 ng  
RT: 10.680 min Scan# 1468  
Delta R.T. -0.241 min  
Lab File: BF127425.D  
Acq: 22 Mar 2022 00:24

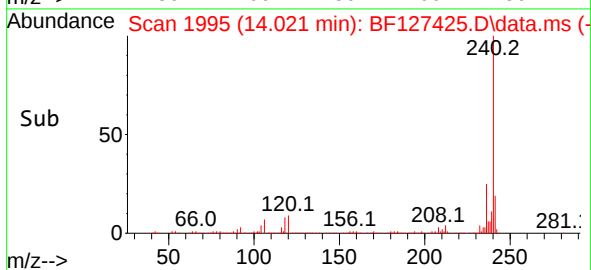
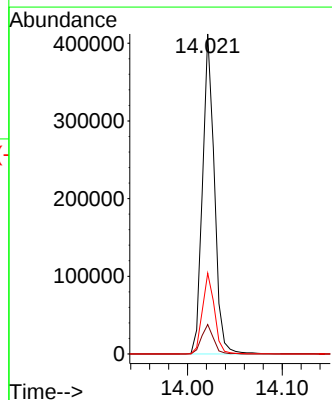
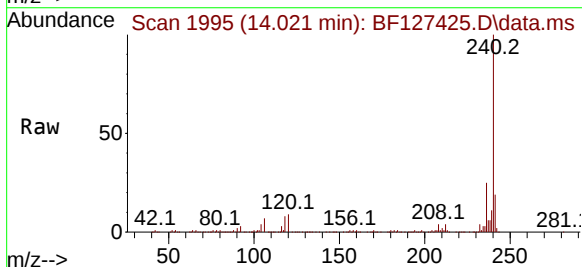
Instrument :  
BNA\_F  
ClientSampleId :  
PB143487BL

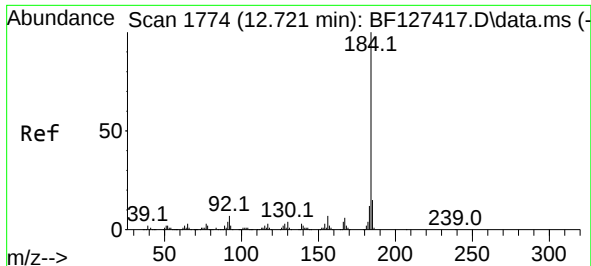
Tgt Ion:248 Resp: 18479  
Ion Ratio Lower Upper  
248 100  
250 196.5 76.6 115.0#  
141 477.9 52.2 78.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.021 min Scan# 1995  
Delta R.T. -0.006 min  
Lab File: BF127425.D  
Acq: 22 Mar 2022 00:24

Tgt Ion:240 Resp: 356837  
Ion Ratio Lower Upper  
240 100  
120 9.2 7.1 10.7  
236 25.2 20.7 31.1

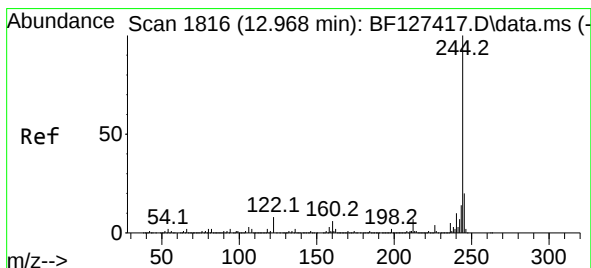
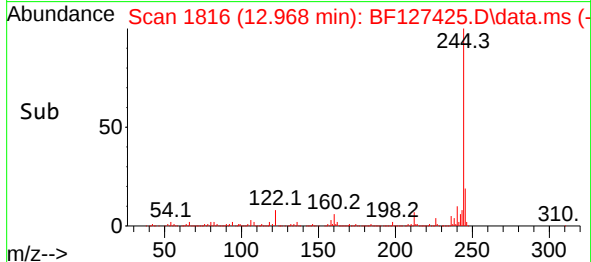
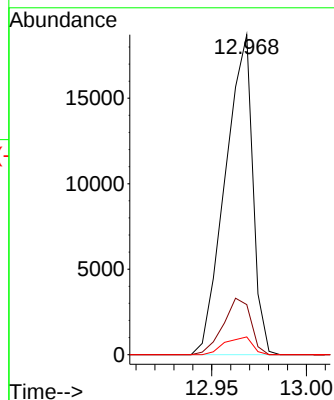
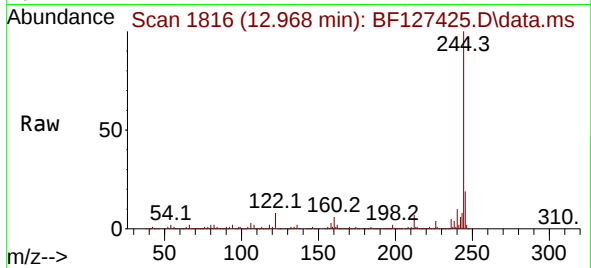




#77  
Benzidine  
Concen: 2.215 ng  
RT: 12.968 min Scan# 1816  
Delta R.T. 0.247 min  
Lab File: BF127425.D  
Acq: 22 Mar 2022 00:24

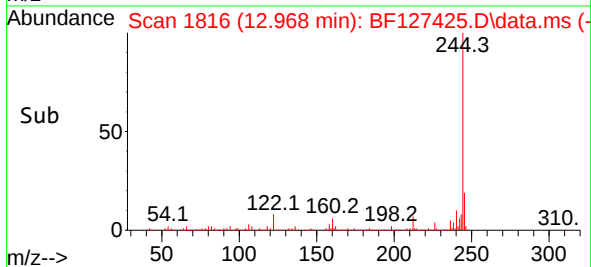
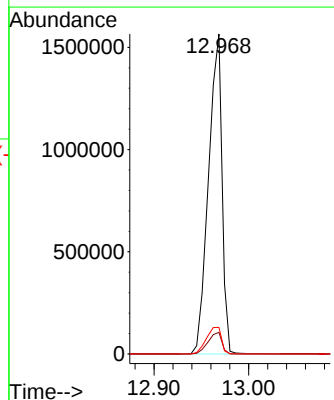
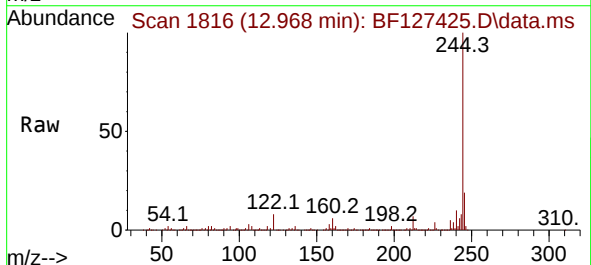
Instrument :  
BNA\_F  
ClientSampleId :  
PB143487BL

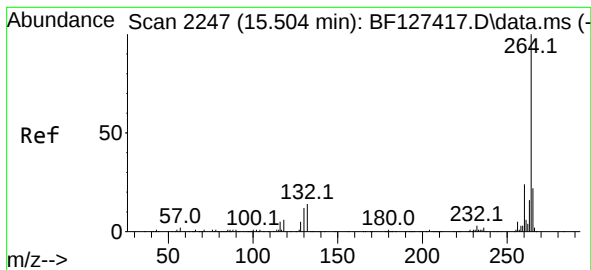
Tgt Ion:184 Resp: 18850  
Ion Ratio Lower Upper  
184 100  
185 15.7 12.2 18.2  
183 5.6 9.4 14.0#



#79  
Terphenyl-d14  
Concen: 71.143 ng  
RT: 12.968 min Scan# 1816  
Delta R.T. 0.000 min  
Lab File: BF127425.D  
Acq: 22 Mar 2022 00:24

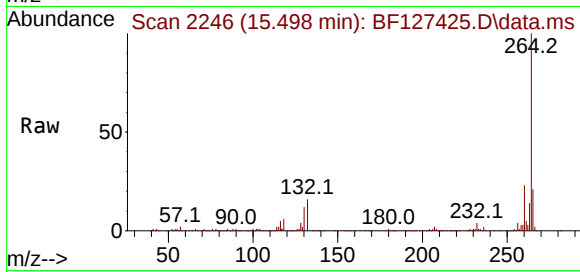
Tgt Ion:244 Resp: 1550764  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.7 8.5  
122 8.3 6.2 9.2





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.498 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF127425.D  
 Acq: 22 Mar 2022 00:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB143487BL



Tgt Ion:264 Resp: 249922  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 19.1 28.7  
 265 20.8 17.4 26.2

