

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF041322\  
 Data File : BF127785.D  
 Acq On : 13 Apr 2022 15:42  
 Operator : CG\JU  
 Sample : N2333-05  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-9D

Quant Time: Apr 13 16:52:04 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF040622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 13 16:40:15 2022  
 Response via : Initial Calibration

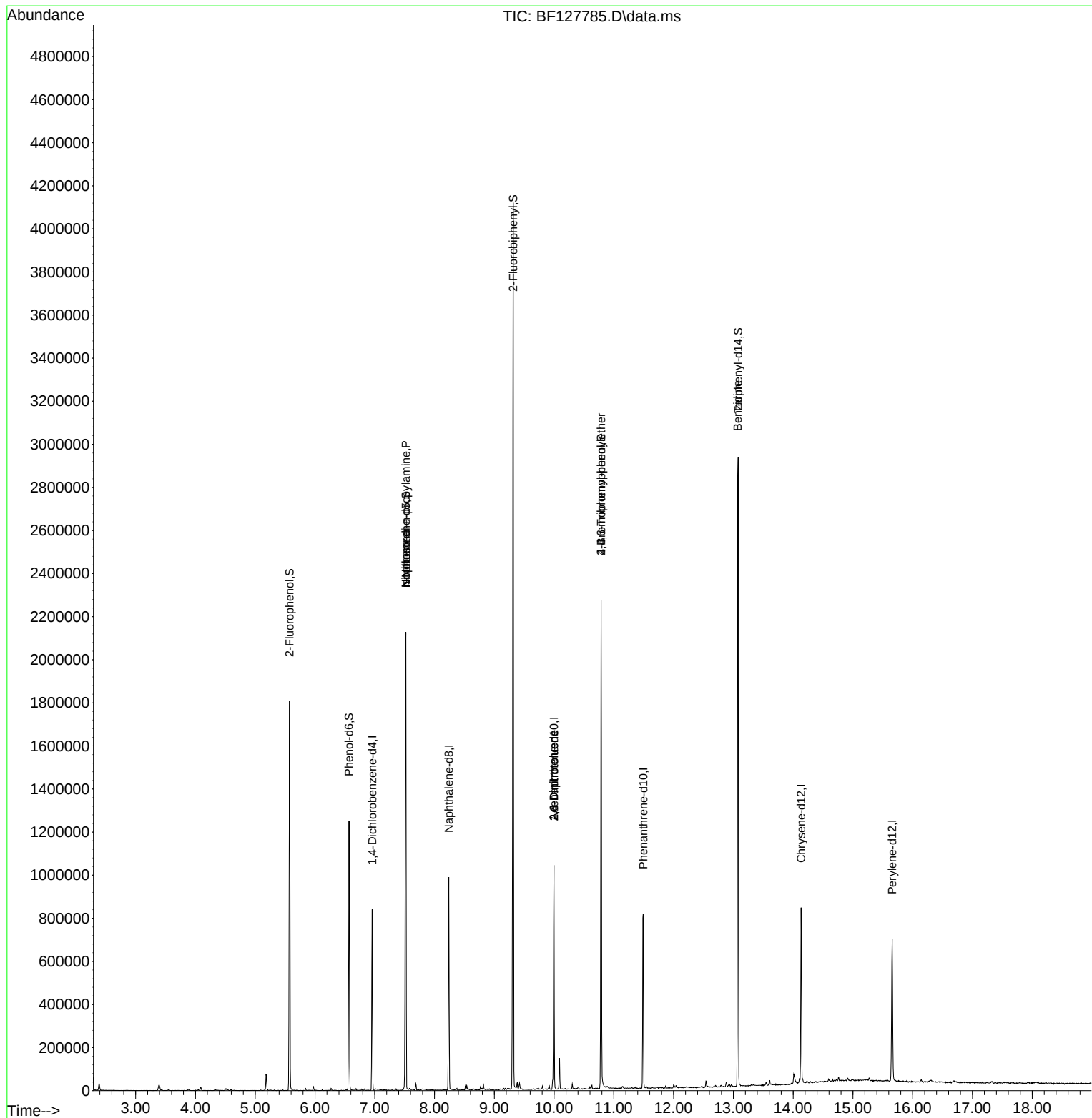
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.957  | 152  | 111275   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.239  | 136  | 387780   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.998  | 164  | 194173   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.492 | 188  | 304283   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.133 | 240  | 281632   | 20.000    | ng    | -0.01    |
| 86) Perylene-d12              | 15.657 | 264  | 311581   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.575  | 112  | 417580   | 60.978    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.569  | 99   | 357576   | 39.914    | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.522  | 82   | 755147   | 86.816    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.786 | 330  | 259932   | 125.796   | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.316  | 172  | 1248726  | 90.977    | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.080 | 244  | 1093710  | 64.101    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.510  | 77   | 113      | Below Cal | #     | 45       |
| 19) n-Nitroso-di-n-propyla... | 7.522  | 70   | 104789   | 18.085    | ng    | # 72     |
| 25) Isophorone                | 7.522  | 82   | 752301   | 49.566    | ng    | # 70     |
| 51) 2,6-Dinitrotoluene        | 9.998  | 165  | 25178    | 9.490     | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.998  | 165  | 25178    | 7.655     | ng    | # 14     |
| 67) 4-Bromophenyl-phenylether | 10.786 | 248  | 16941    | 4.587     | ng    | # 1      |
| 77) Benzidine                 | 13.074 | 184  | 14890    | 2.026     | ng    | # 93     |
| -----                         |        |      |          |           |       |          |

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

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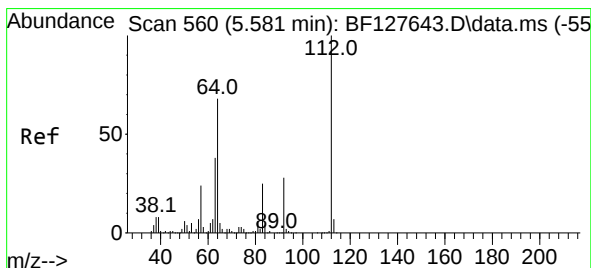
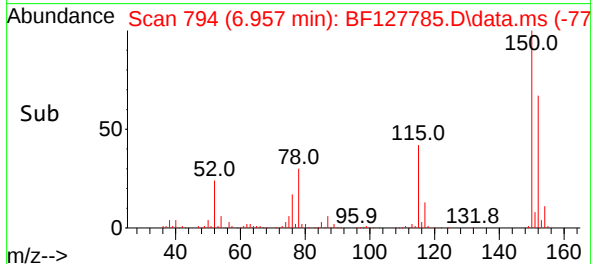
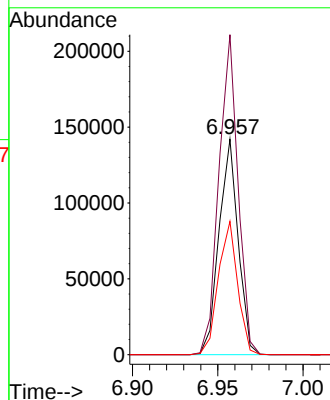
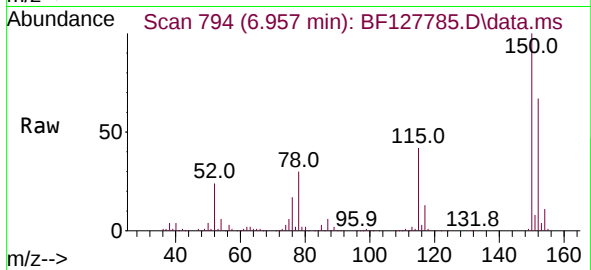




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.957 min Scan# 795  
Delta R.T. -0.006 min  
Lab File: BF127785.D  
Acq: 13 Apr 2022 15:42

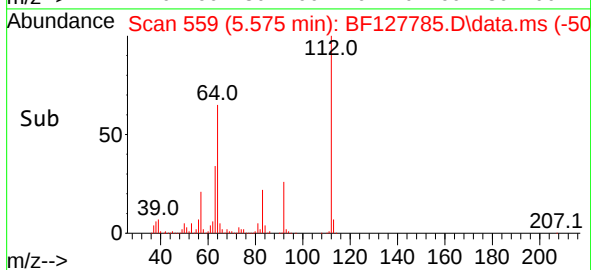
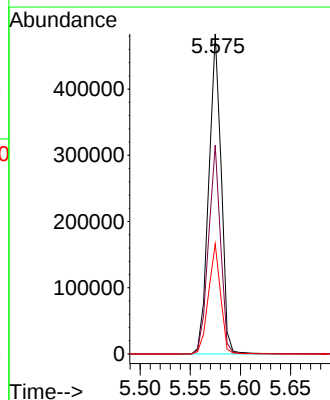
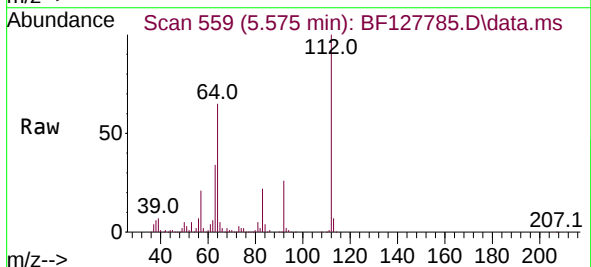
Instrument :  
BNA\_F  
ClientSampleId :  
MW-9D

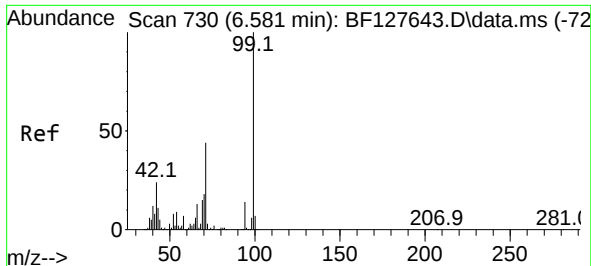
Tgt Ion:152 Resp: 111275  
Ion Ratio Lower Upper  
152 100  
150 148.5 117.2 175.8  
115 61.8 49.8 74.6



#5  
2-Fluorophenol  
Concen: 60.978 ng  
RT: 5.575 min Scan# 559  
Delta R.T. -0.006 min  
Lab File: BF127785.D  
Acq: 13 Apr 2022 15:42

Tgt Ion:112 Resp: 417580  
Ion Ratio Lower Upper  
112 100  
64 65.2 58.4 87.6  
63 34.4 30.1 45.1

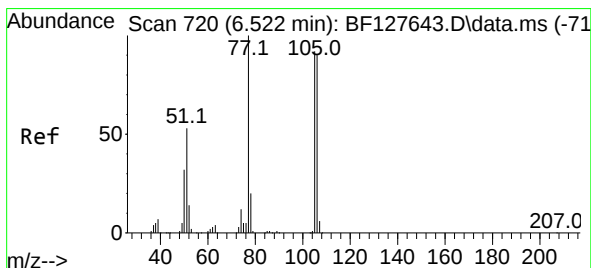
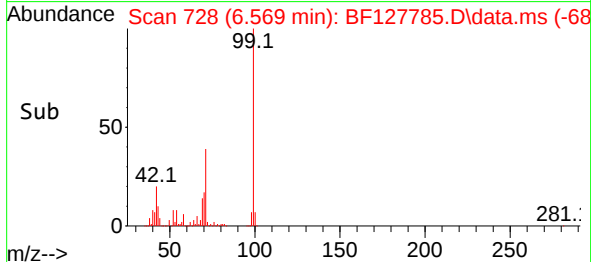
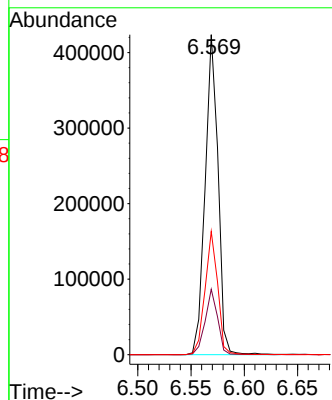
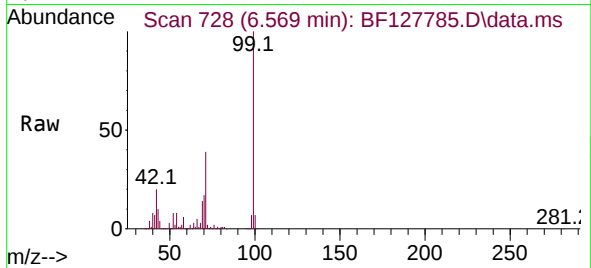




#7  
Phenol-d6  
Concen: 39.914 ng  
RT: 6.569 min Scan# 718  
Delta R.T. -0.018 min  
Lab File: BF127785.D  
Acq: 13 Apr 2022 15:42

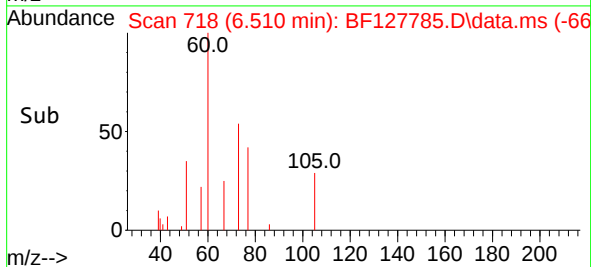
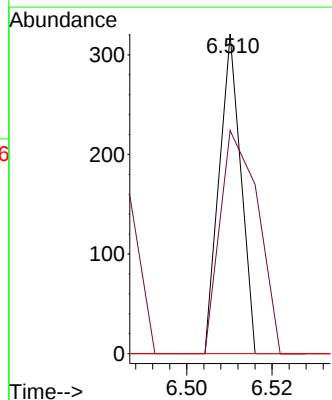
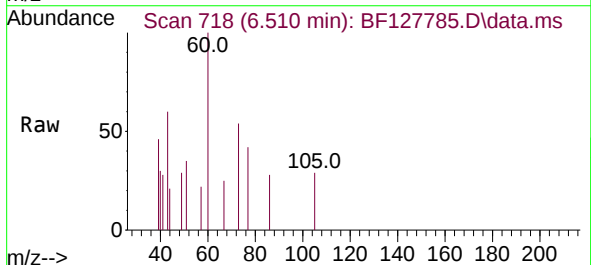
Instrument :  
BNA\_F  
ClientSampleId :  
MW-9D

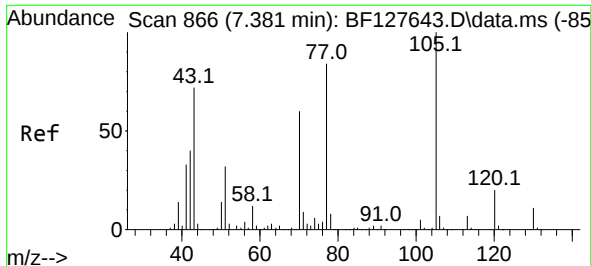
Tgt Ion: 99 Resp: 357576  
Ion Ratio Lower Upper  
99 100  
42 20.4 17.8 26.6  
71 38.5 29.6 44.4



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.510 min Scan# 718  
Delta R.T. -0.006 min  
Lab File: BF127785.D  
Acq: 13 Apr 2022 15:42

Tgt Ion: 77 Resp: 113  
Ion Ratio Lower Upper  
77 100  
105 69.8 66.8 106.8  
106 0.0 64.3 104.3#





#19

n-Nitroso-di-n-propylamine

Concen: 18.085 ng

RT: 7.522 min Scan# 89

Delta R.T. 0.147 min

Lab File: BF127785.D

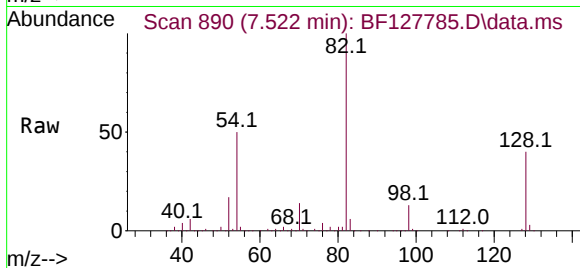
Acq: 13 Apr 2022 15:42

Instrument :

BNA\_F

ClientSampleId :

MW-9D



Tgt Ion: 70 Resp: 104789

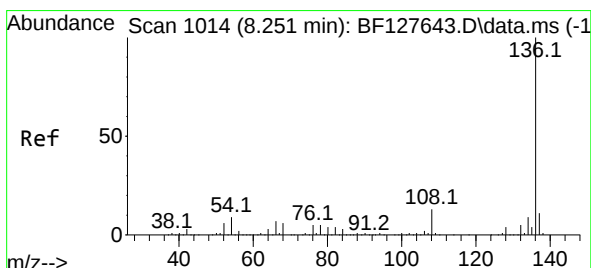
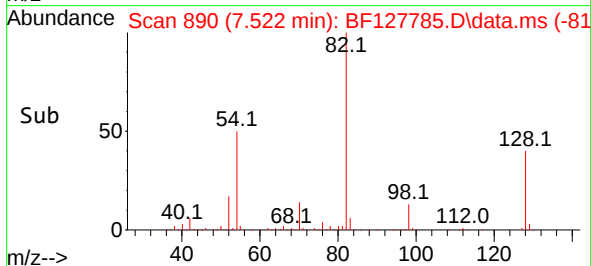
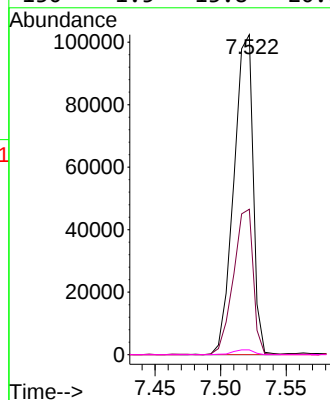
Ion Ratio Lower Upper

70 100

42 45.5 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: 8.239 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BF127785.D

Acq: 13 Apr 2022 15:42

Tgt Ion: 136 Resp: 387780

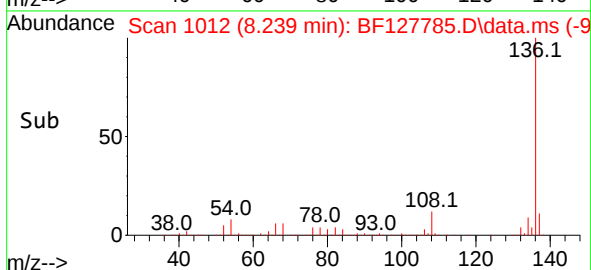
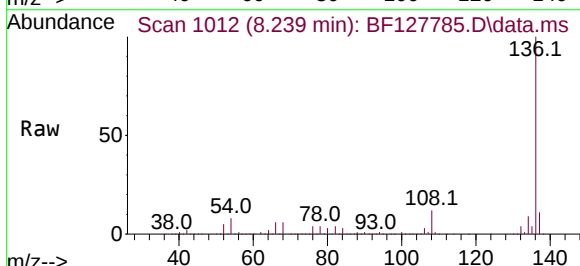
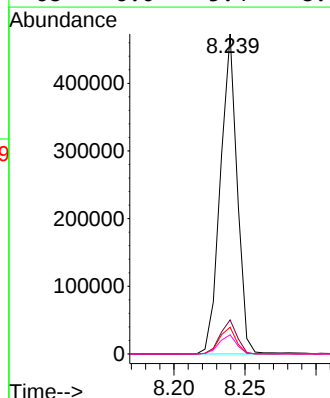
Ion Ratio Lower Upper

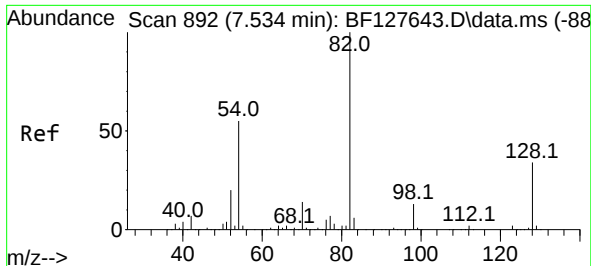
136 100

137 10.7 8.6 13.0

54 8.4 9.2 13.8#

68 6.0 5.4 8.0





#23

Nitrobenzene-d5

Concen: 86.816 ng

RT: 7.522 min Scan# 890

Delta R.T. -0.006 min

Lab File: BF127785.D

Acq: 13 Apr 2022 15:42

Instrument :

BNA\_F

ClientSampleId :

MW-9D

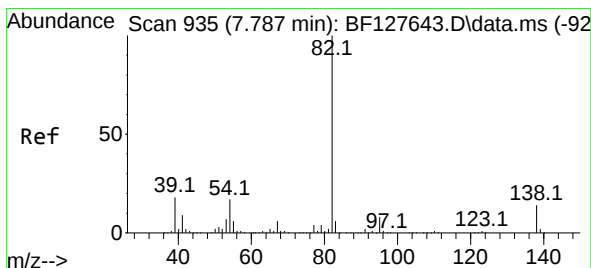
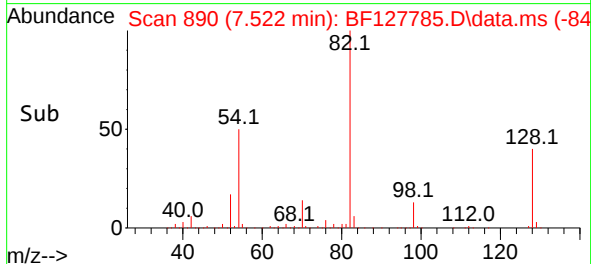
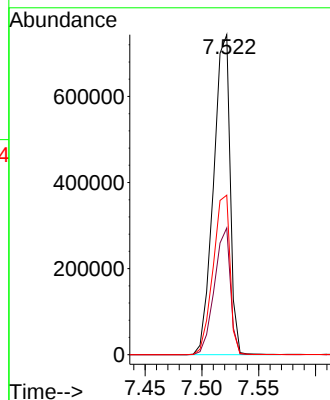
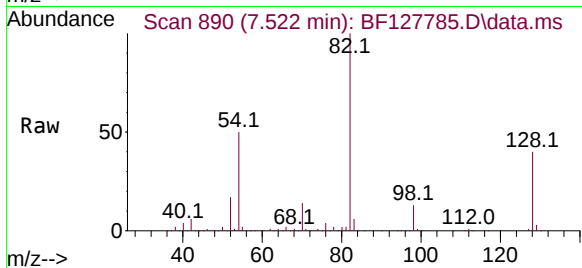
Tgt Ion: 82 Resp: 755147

Ion Ratio Lower Upper

82 100

128 39.6 30.6 45.8

54 49.9 48.2 72.2



#25

Isophorone

Concen: 49.566 ng

RT: 7.522 min Scan# 890

Delta R.T. -0.265 min

Lab File: BF127785.D

Acq: 13 Apr 2022 15:42

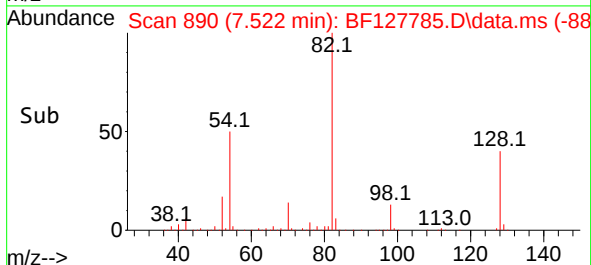
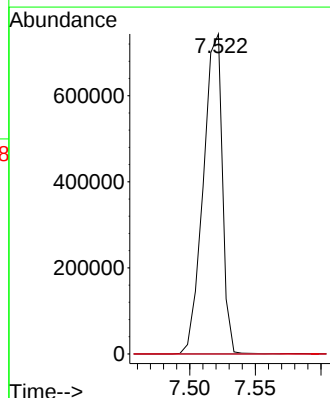
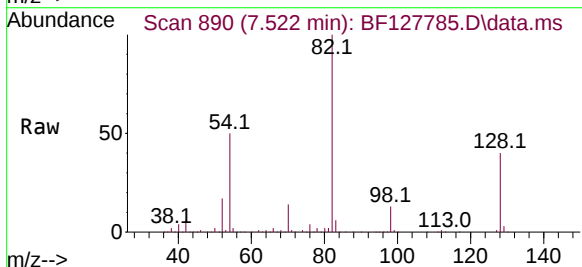
Tgt Ion: 82 Resp: 752301

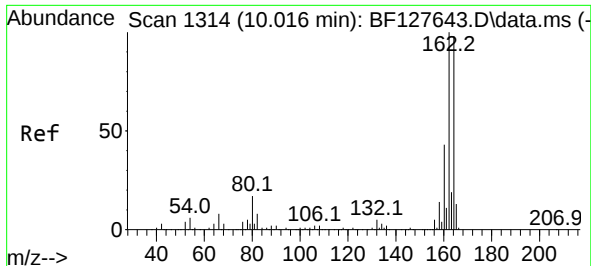
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

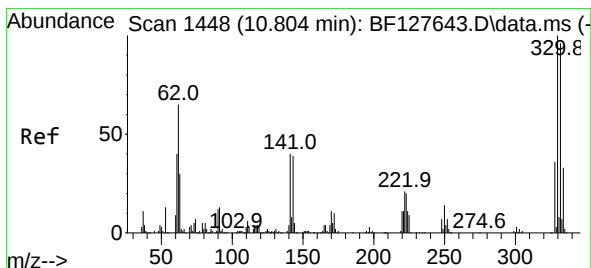
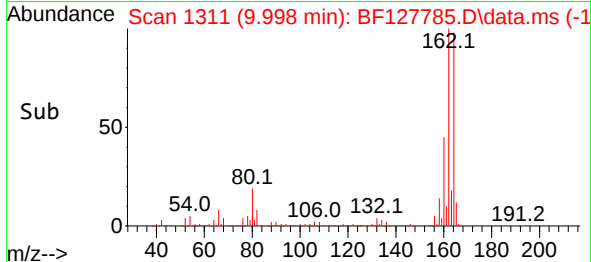
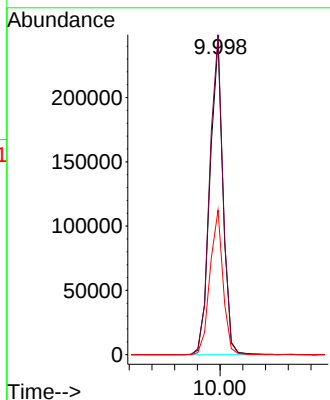
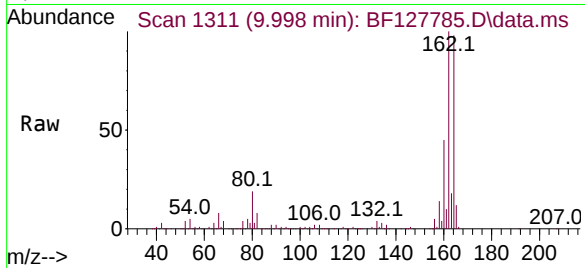




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.998 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127785.D  
Acq: 13 Apr 2022 15:42

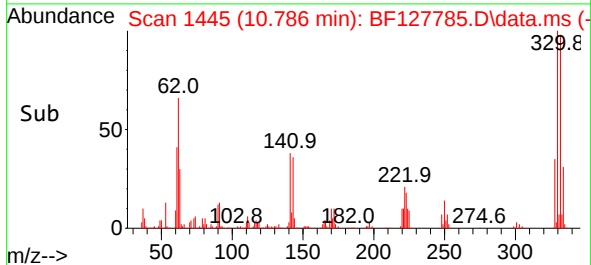
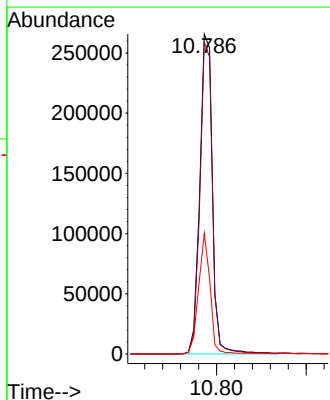
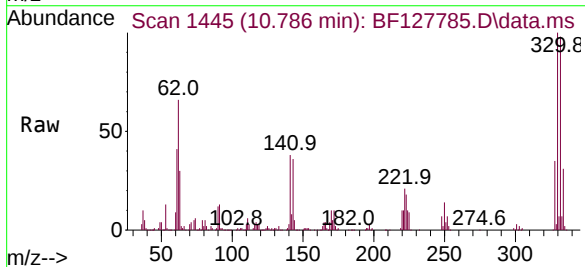
Instrument :  
BNA\_F  
ClientSampleId :  
MW-9D

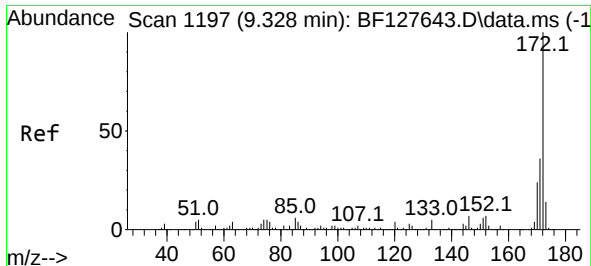
Tgt Ion:164 Resp: 194173  
Ion Ratio Lower Upper  
164 100  
162 102.3 81.2 121.8  
160 46.2 34.6 52.0



#42  
2,4,6-Tribromophenol  
Concen: 125.796 ng  
RT: 10.786 min Scan# 1445  
Delta R.T. -0.012 min  
Lab File: BF127785.D  
Acq: 13 Apr 2022 15:42

Tgt Ion:330 Resp: 259932  
Ion Ratio Lower Upper  
330 100  
332 96.4 79.1 118.7  
141 34.6 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 90.977 ng

RT: 9.316 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF127785.D

Acq: 13 Apr 2022 15:42

Instrument :

BNA\_F

ClientSampleId :

MW-9D

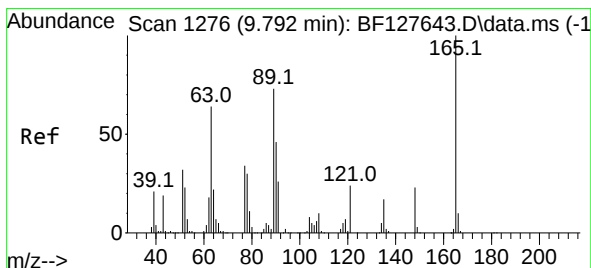
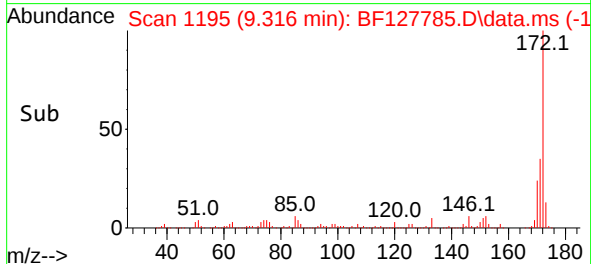
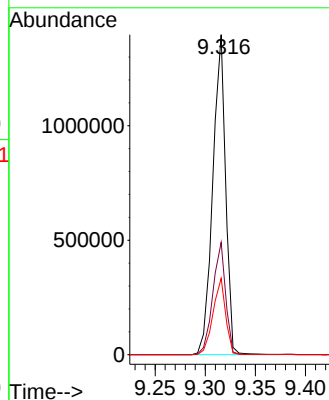
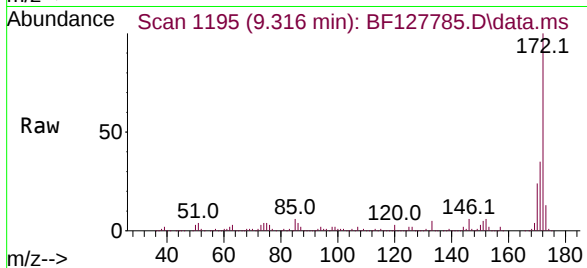
Tgt Ion:172 Resp: 1248726

Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.8 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.490 ng

RT: 9.998 min Scan# 1311

Delta R.T. 0.212 min

Lab File: BF127785.D

Acq: 13 Apr 2022 15:42

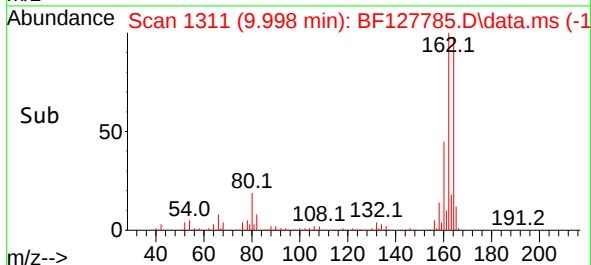
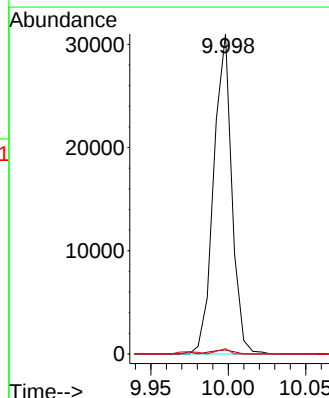
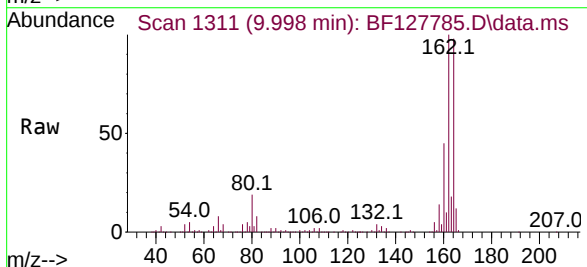
Tgt Ion:165 Resp: 25178

Ion Ratio Lower Upper

165 100

63 1.3 58.3 87.5#

89 1.7 51.5 77.3#

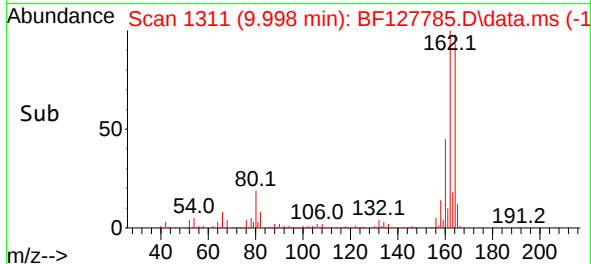
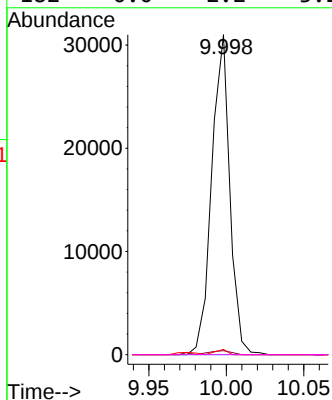
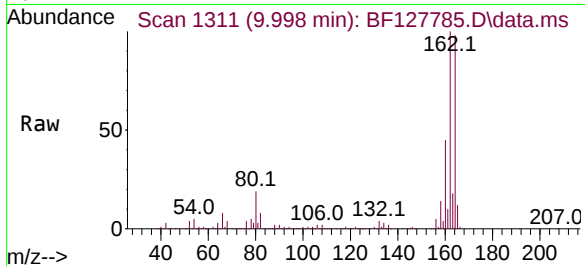




#57  
2,4-Dinitrotoluene  
Concen: 7.655 ng  
RT: 9.998 min Scan# 11  
Delta R.T. -0.194 min  
Lab File: BF127785.D  
Acq: 13 Apr 2022 15:42

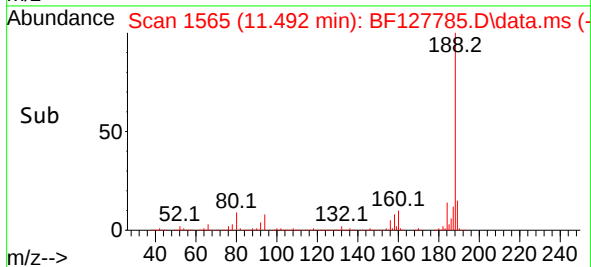
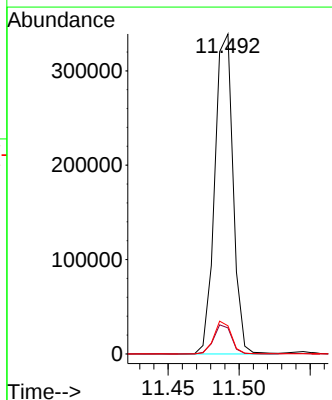
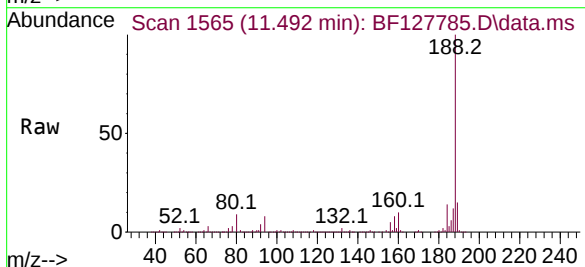
Instrument :  
BNA\_F  
ClientSampleId :  
MW-9D

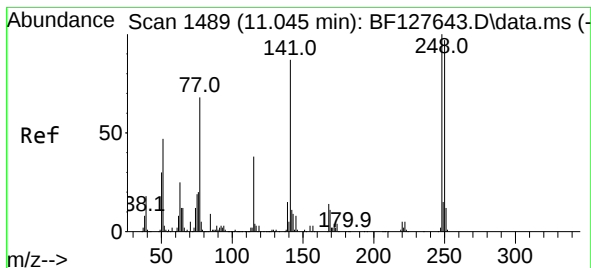
Tgt Ion:165 Resp: 25178  
Ion Ratio Lower Upper  
165 100  
63 1.3 53.1 79.7#  
89 1.7 69.2 103.8#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.492 min Scan# 1565  
Delta R.T. -0.000 min  
Lab File: BF127785.D  
Acq: 13 Apr 2022 15:42

Tgt Ion:188 Resp: 304283  
Ion Ratio Lower Upper  
188 100  
94 8.2 7.4 11.0  
80 8.8 8.0 12.0

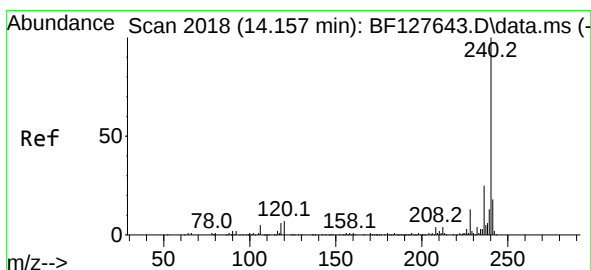
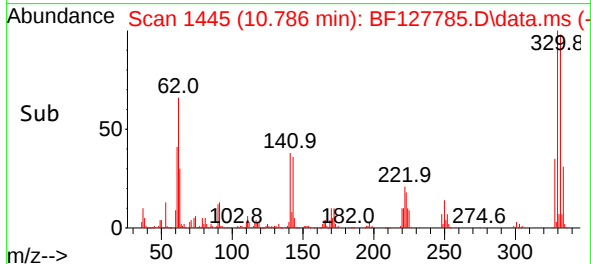
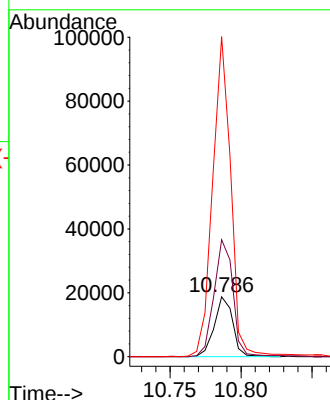
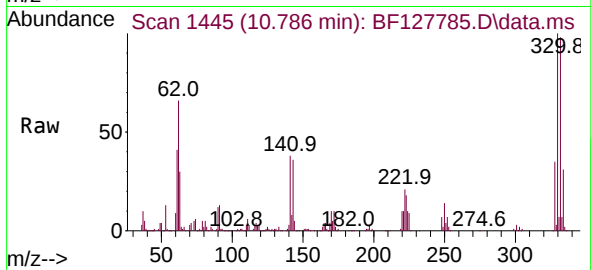




#67  
4-Bromophenyl-phenylether  
Concen: 4.587 ng  
RT: 10.786 min Scan# 1489  
Delta R.T. -0.253 min  
Lab File: BF127785.D  
Acq: 13 Apr 2022 15:42

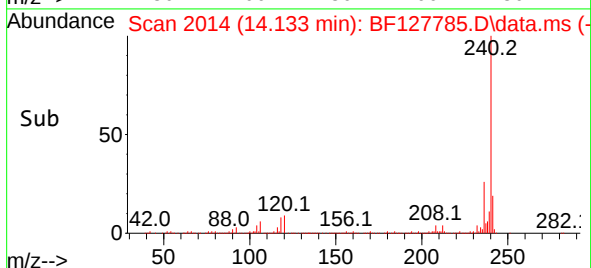
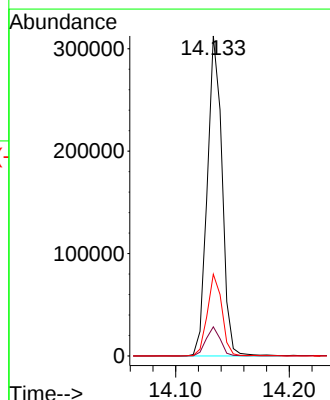
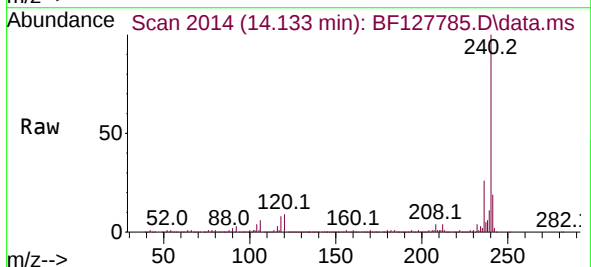
Instrument :  
BNA\_F  
ClientSampleId :  
MW-9D

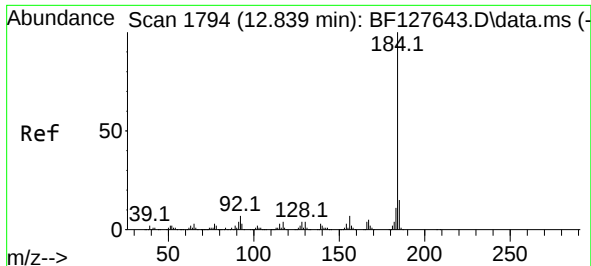
Tgt Ion:248 Resp: 16941  
Ion Ratio Lower Upper  
248 100  
250 195.3 76.6 115.0#  
141 534.7 52.2 78.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.133 min Scan# 2014  
Delta R.T. -0.012 min  
Lab File: BF127785.D  
Acq: 13 Apr 2022 15:42

Tgt Ion:240 Resp: 281632  
Ion Ratio Lower Upper  
240 100  
120 9.1 7.1 10.7  
236 25.5 20.7 31.1

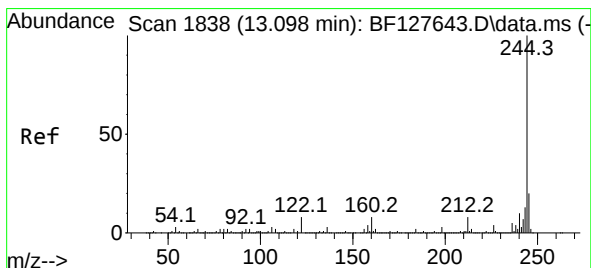
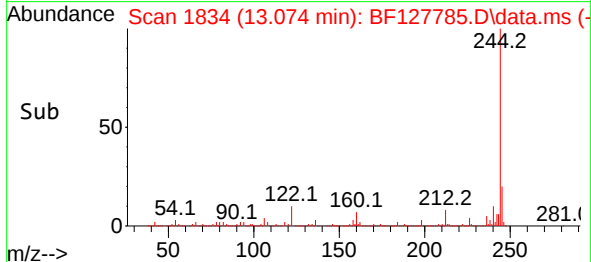
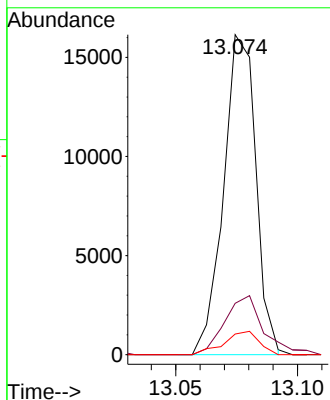
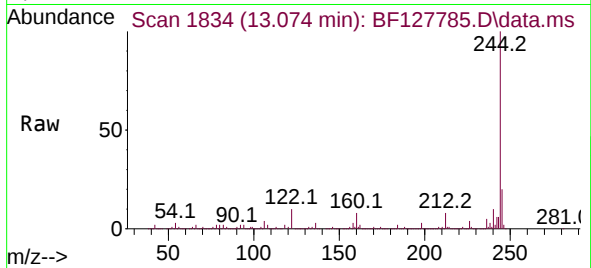




#77  
Benzidine  
Concen: 2.026 ng  
RT: 13.074 min Scan# 1834  
Delta R.T. 0.247 min  
Lab File: BF127785.D  
Acq: 13 Apr 2022 15:42

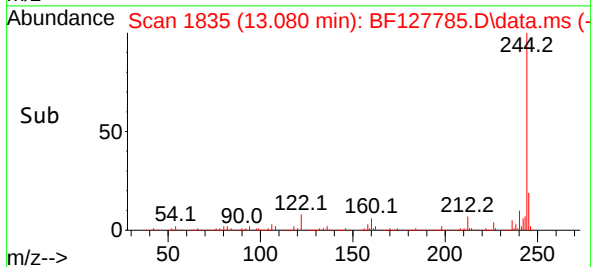
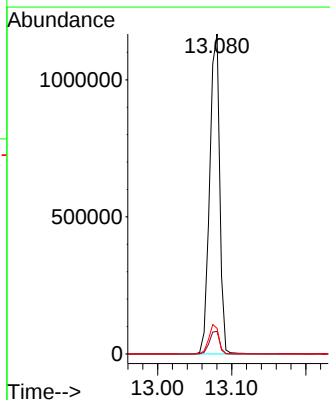
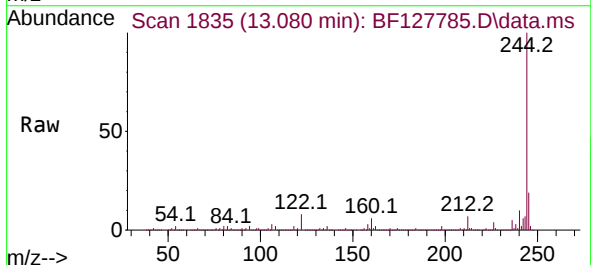
Instrument :  
BNA\_F  
ClientSampleId :  
MW-9D

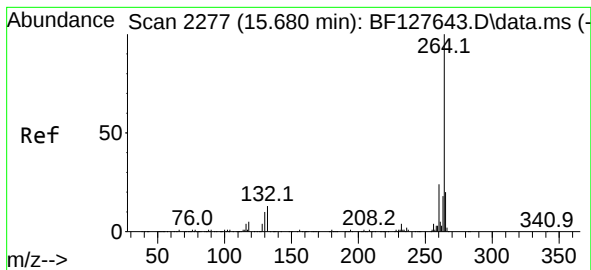
Tgt Ion:184 Resp: 14890  
Ion Ratio Lower Upper  
184 100  
185 16.1 12.2 18.2  
183 6.4 9.4 14.0#



#79  
Terphenyl-d14  
Concen: 64.101 ng  
RT: 13.080 min Scan# 1835  
Delta R.T. -0.000 min  
Lab File: BF127785.D  
Acq: 13 Apr 2022 15:42

Tgt Ion:244 Resp: 1093710  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.7 8.5  
122 8.0 6.2 9.2





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.657 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF127785.D  
 Acq: 13 Apr 2022 15:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-9D

Tgt Ion:264 Resp: 311581  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.1 28.7  
 265 20.8 17.4 26.2

