

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF040722\  
 Data File : BF127687.D  
 Acq On : 07 Apr 2022 17:03  
 Operator : CG\JU  
 Sample : N2258-09  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TW-E5-DUP

Quant Time: Apr 07 17:23:04 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 06 13:55:27 2022  
 Response via : Initial Calibration

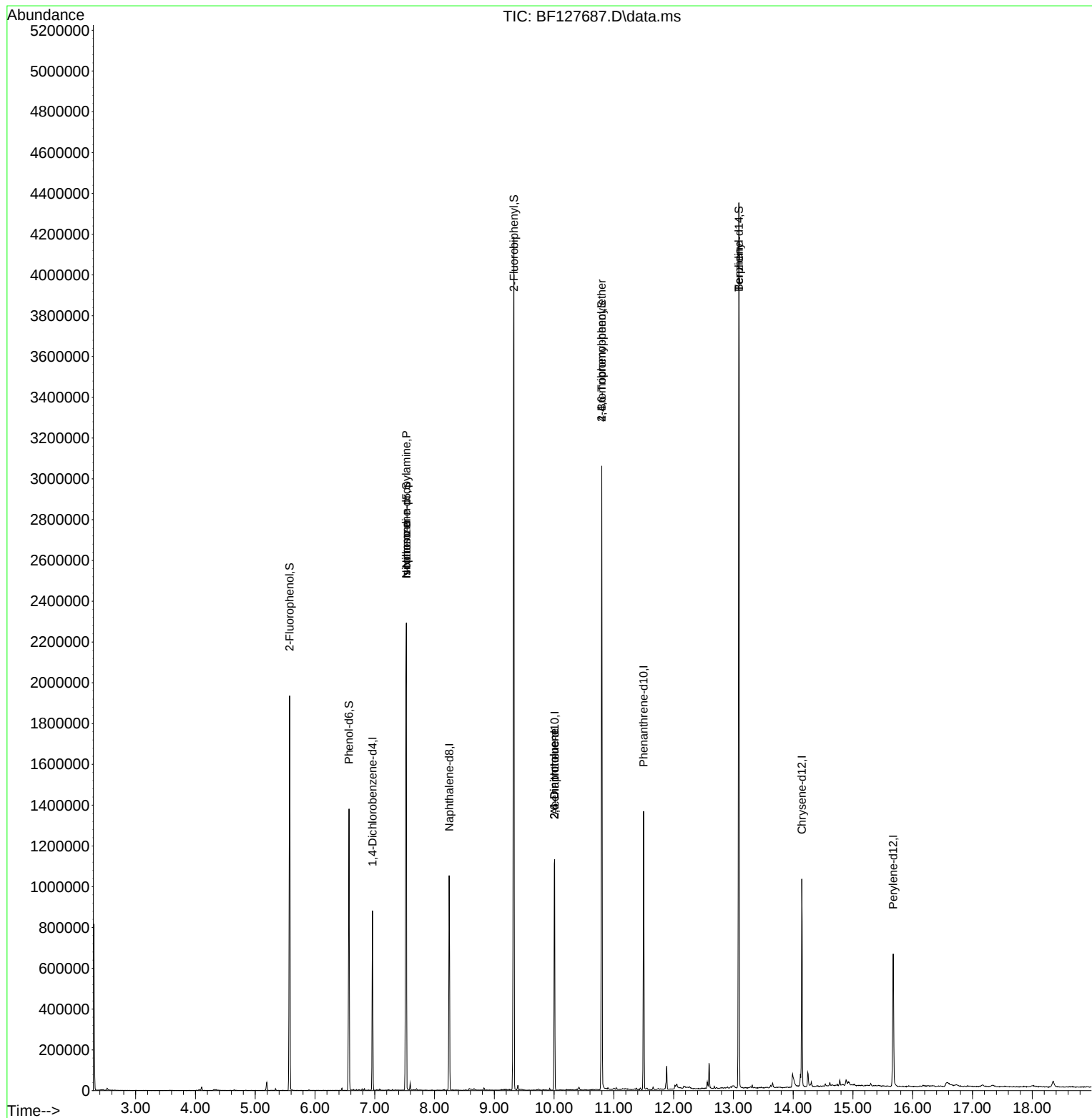
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.963  | 152  | 115803   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.245  | 136  | 413896   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 10.010 | 164  | 243382   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.498 | 188  | 456543   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.145 | 240  | 353242   | 20.000    | ng    | -0.01    |
| 86) Perylene-d12              | 15.674 | 264  | 306792   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.575  | 112  | 464861   | 65.228    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.569  | 99   | 385984   | 41.400    | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.528  | 82   | 785963   | 84.657    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.798 | 330  | 359632   | 138.857   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.327  | 172  | 1366679  | 79.439    | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.092 | 244  | 1622674  | 75.823    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.569  | 77   | 924      | Below Cal | #     | 7        |
| 19) n-Nitroso-di-n-propyla... | 7.528  | 70   | 106256   | 17.621    | ng    | # 77     |
| 25) Isophorone                | 7.528  | 82   | 785953   | 48.516    | ng    | # 70     |
| 51) 2,6-Dinitrotoluene        | 10.004 | 165  | 31650    | 9.518     | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 10.004 | 165  | 31650    | 7.677     | ng    | # 14     |
| 67) 4-Bromophenyl-phenylether | 10.798 | 248  | 23015    | 4.154     | ng    | # 1      |
| 77) Benzydine                 | 13.092 | 184  | 24285    | 2.634     | ng    | # 90     |
| -----                         |        |      |          |           |       |          |

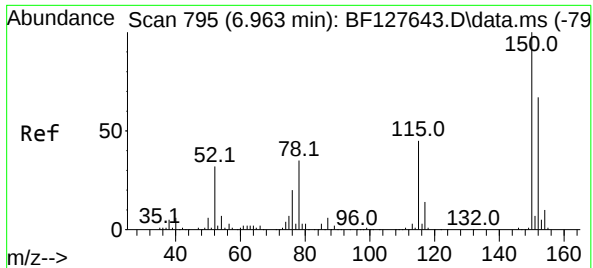
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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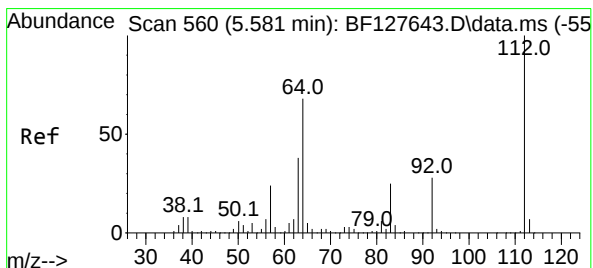
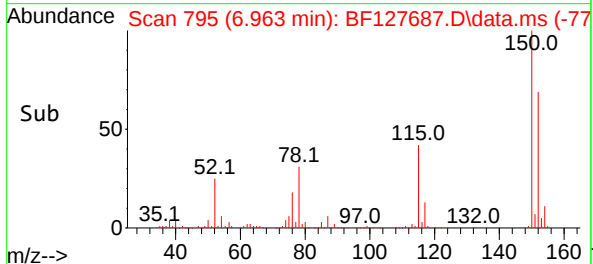
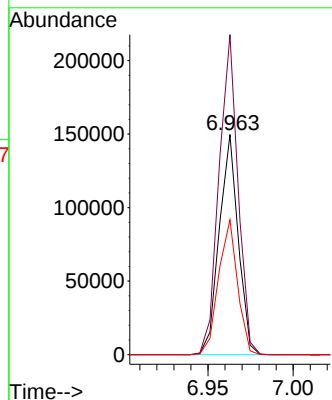
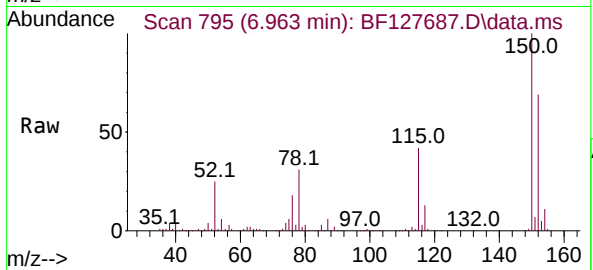




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.963 min Scan# 795  
Delta R.T. -0.000 min  
Lab File: BF127687.D  
Acq: 07 Apr 2022 17:03

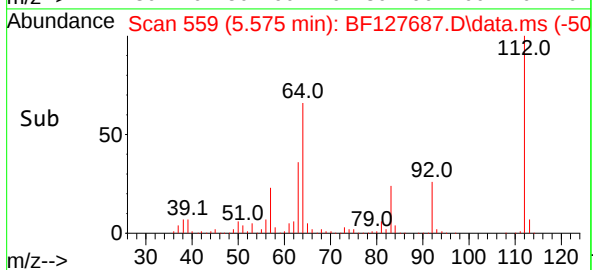
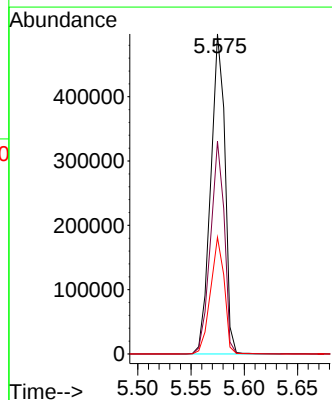
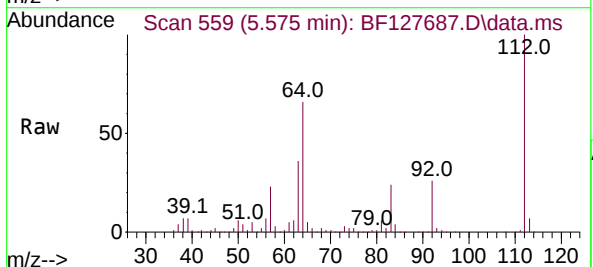
Instrument :  
BNA\_F  
ClientSampleId :  
TW-E5-DUP

Tgt Ion:152 Resp: 115803  
Ion Ratio Lower Upper  
152 100  
150 145.3 117.2 175.8  
115 61.3 49.8 74.6



#5  
2-Fluorophenol  
Concen: 65.228 ng  
RT: 5.575 min Scan# 559  
Delta R.T. -0.006 min  
Lab File: BF127687.D  
Acq: 07 Apr 2022 17:03

Tgt Ion:112 Resp: 464861  
Ion Ratio Lower Upper  
112 100  
64 66.4 58.4 87.6  
63 36.5 30.1 45.1

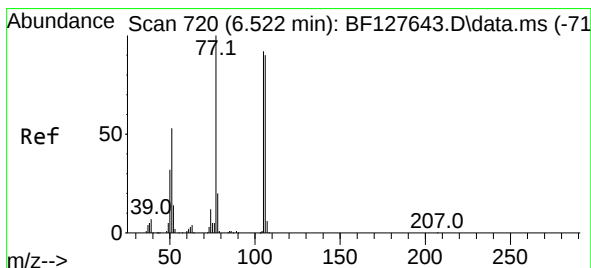
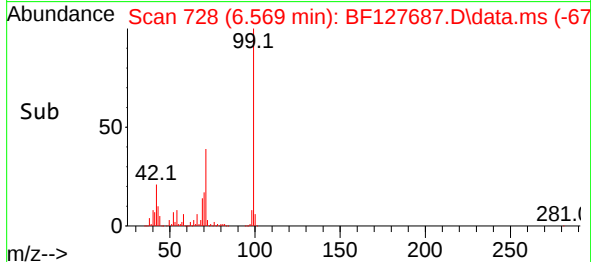
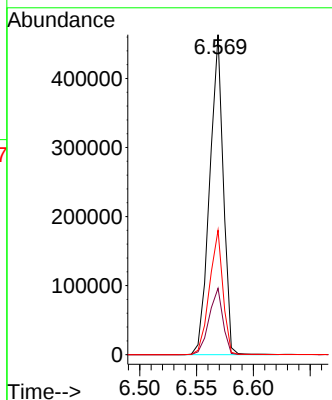
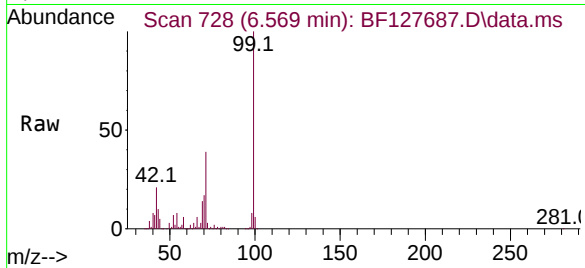




#7  
Phenol-d6  
Concen: 41.400 ng  
RT: 6.569 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF127687.D  
Acq: 07 Apr 2022 17:03

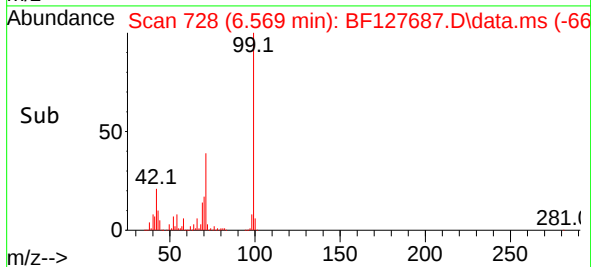
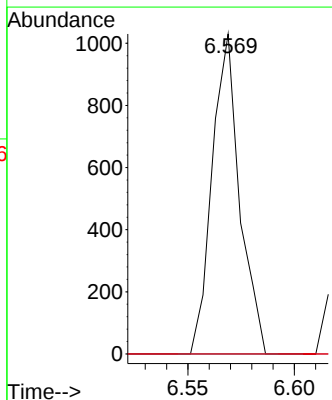
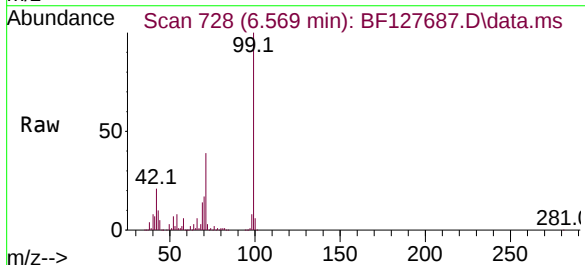
Instrument :  
BNA\_F  
ClientSampleId :  
TW-E5-DUP

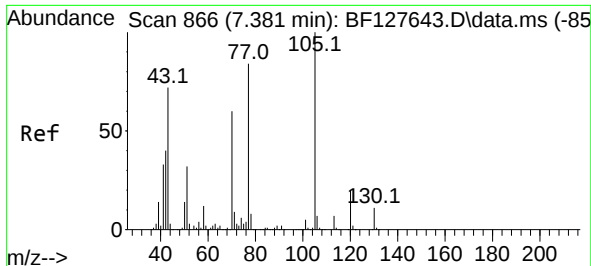
Tgt Ion: 99 Resp: 385984  
Ion Ratio Lower Upper  
99 100  
42 20.7 17.8 26.6  
71 38.9 29.6 44.4



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.569 min Scan# 728  
Delta R.T. 0.047 min  
Lab File: BF127687.D  
Acq: 07 Apr 2022 17:03

Tgt Ion: 77 Resp: 924  
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: 17.621 ng

RT: 7.528 min Scan# 891

Delta R.T. 0.147 min

Lab File: BF127687.D

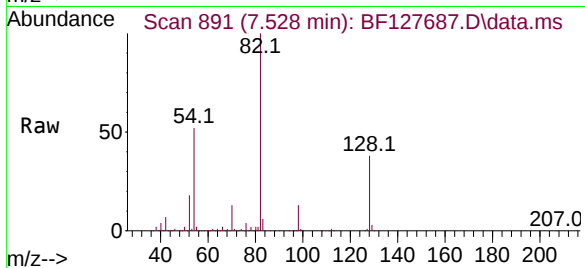
Acq: 07 Apr 2022 17:03

Instrument :

BNA\_F

ClientSampleId :

TW-E5-DUP



Tgt Ion: 70 Resp: 106256

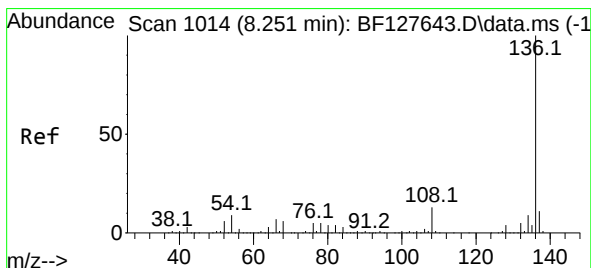
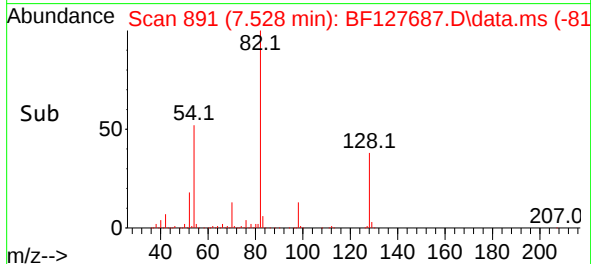
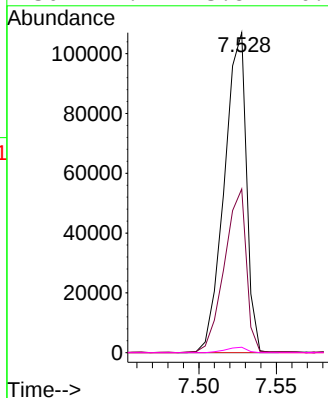
Ion Ratio Lower Upper

70 100

42 51.2 53.0 79.6#

101 0.0 6.8 10.2#

130 1.7 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1013

Delta R.T. -0.006 min

Lab File: BF127687.D

Acq: 07 Apr 2022 17:03

Tgt Ion: 136 Resp: 413896

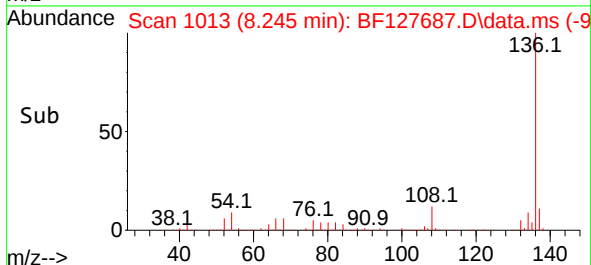
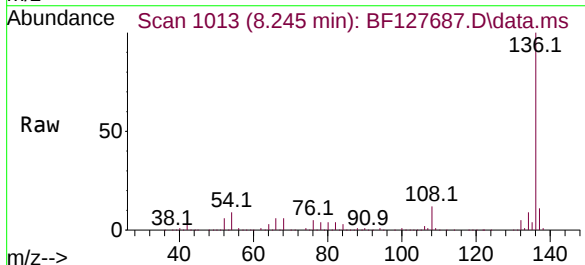
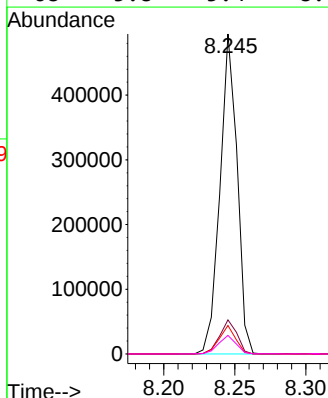
Ion Ratio Lower Upper

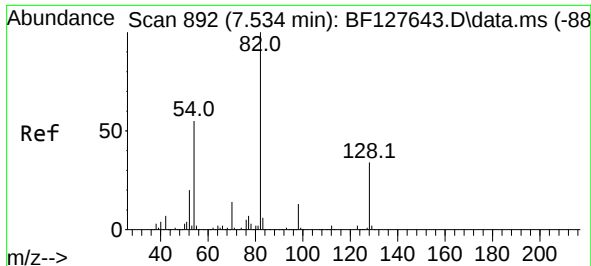
136 100

137 10.7 8.6 13.0

54 8.9 9.2 13.8#

68 5.8 5.4 8.0





#23

Nitrobenzene-d5

Concen: 84.657 ng

RT: 7.528 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF127687.D

Acq: 07 Apr 2022 17:03

Instrument :

BNA\_F

ClientSampleId :

TW-E5-DUP

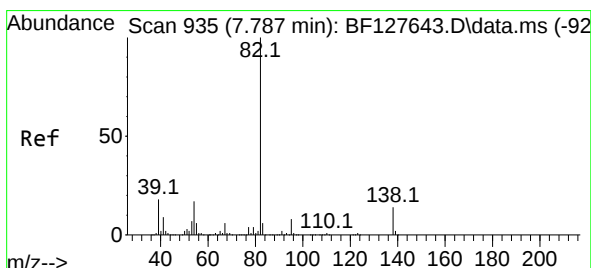
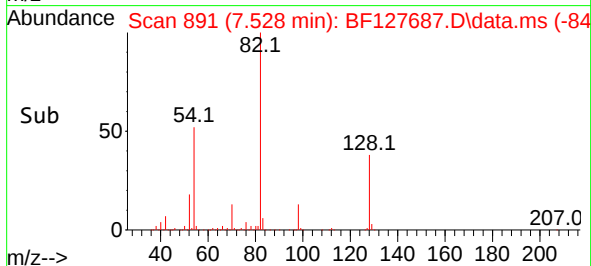
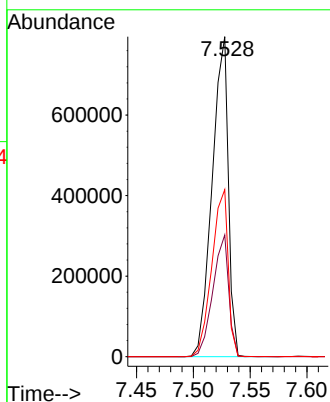
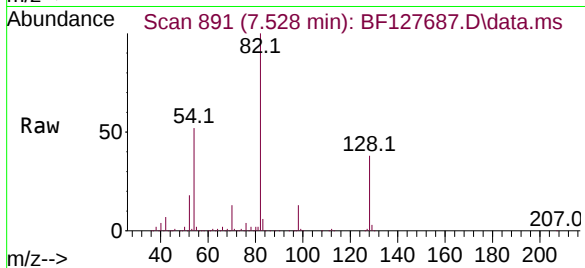
Tgt Ion: 82 Resp: 785963

Ion Ratio Lower Upper

82 100

128 38.0 30.6 45.8

54 52.2 48.2 72.2



#25

Isophorone

Concen: 48.516 ng

RT: 7.528 min Scan# 891

Delta R.T. -0.259 min

Lab File: BF127687.D

Acq: 07 Apr 2022 17:03

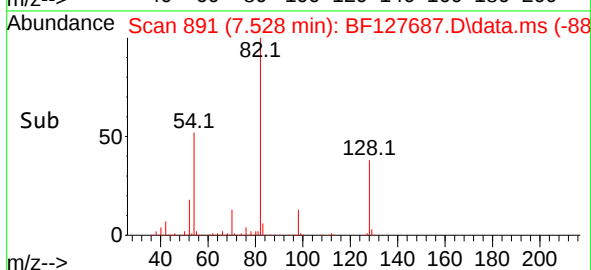
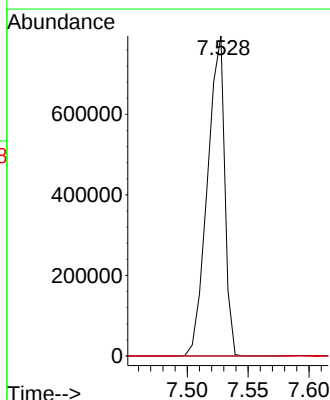
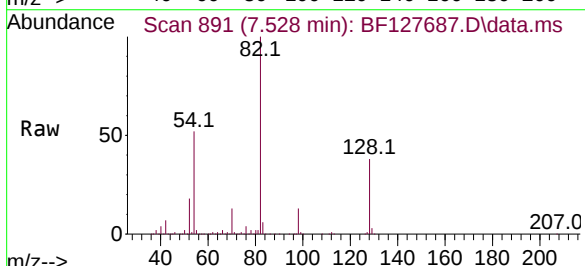
Tgt Ion: 82 Resp: 785953

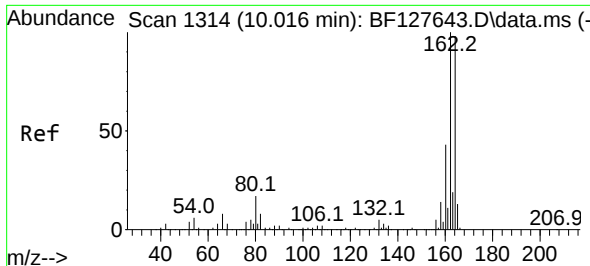
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

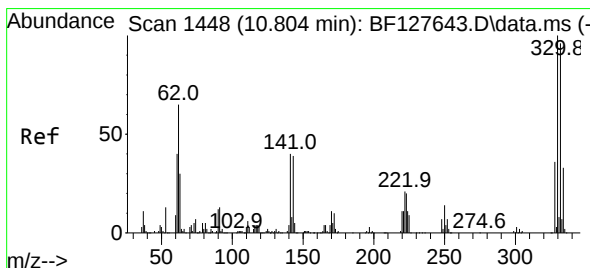
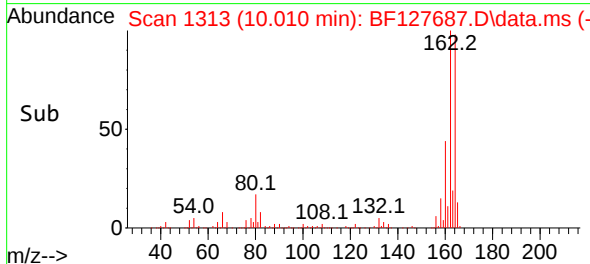
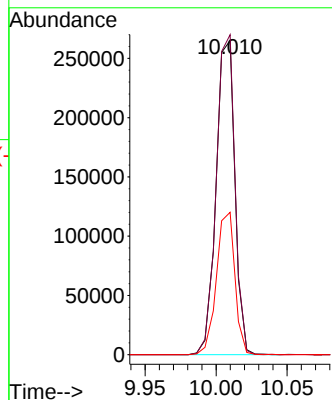
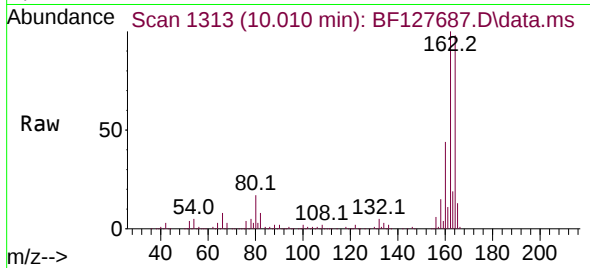




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.010 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127687.D  
Acq: 07 Apr 2022 17:03

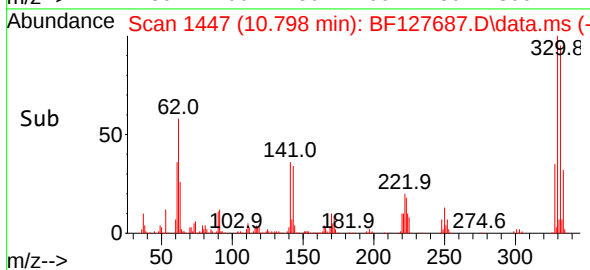
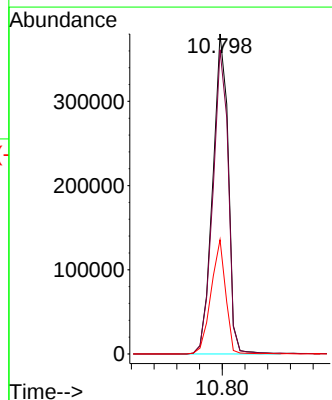
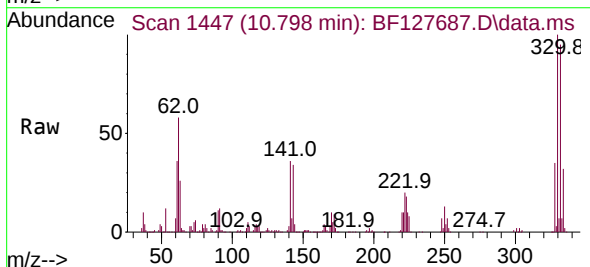
Instrument :  
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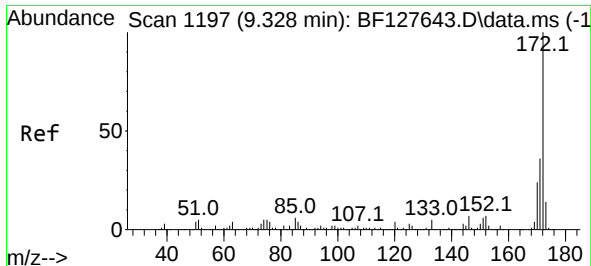
Tgt Ion:164 Resp: 243382  
Ion Ratio Lower Upper  
164 100  
162 101.9 81.2 121.8  
160 45.3 34.6 52.0



#42  
2,4,6-Tribromophenol  
Concen: 138.857 ng  
RT: 10.798 min Scan# 1447  
Delta R.T. -0.006 min  
Lab File: BF127687.D  
Acq: 07 Apr 2022 17:03

Tgt Ion:330 Resp: 359632  
Ion Ratio Lower Upper  
330 100  
332 94.6 79.1 118.7  
141 33.7 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 79.439 ng

RT: 9.327 min Scan# 1197

Delta R.T. -0.000 min

Lab File: BF127687.D

Acq: 07 Apr 2022 17:03

Instrument :

BNA\_F

ClientSampleId :

TW-E5-DUP

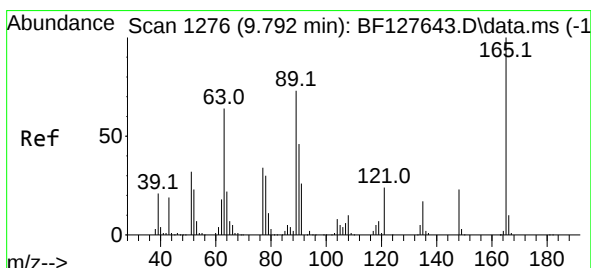
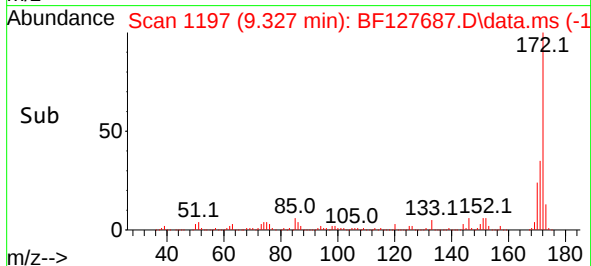
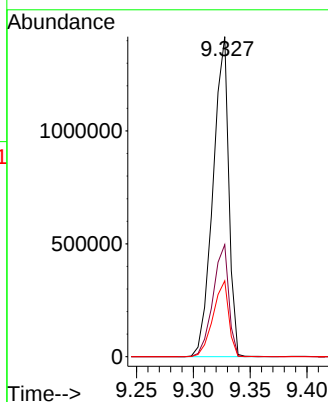
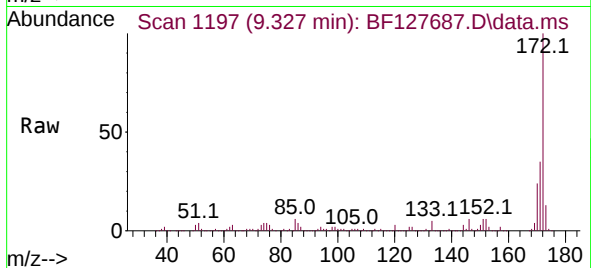
Tgt Ion:172 Resp: 1366679

Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.7 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.518 ng

RT: 10.004 min Scan# 1312

Delta R.T. 0.212 min

Lab File: BF127687.D

Acq: 07 Apr 2022 17:03

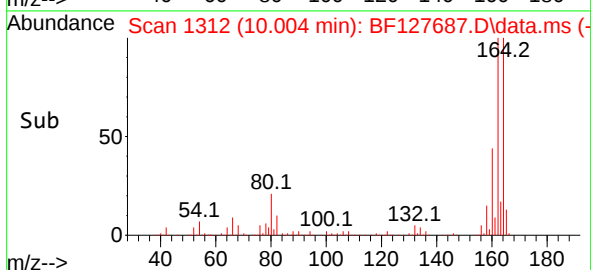
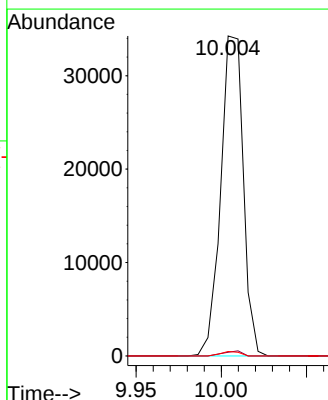
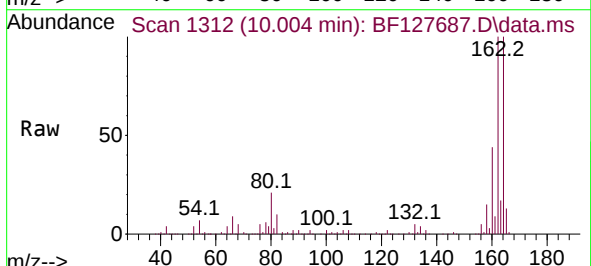
Tgt Ion:165 Resp: 31650

Ion Ratio Lower Upper

165 100

63 1.2 58.3 87.5#

89 1.4 51.5 77.3#

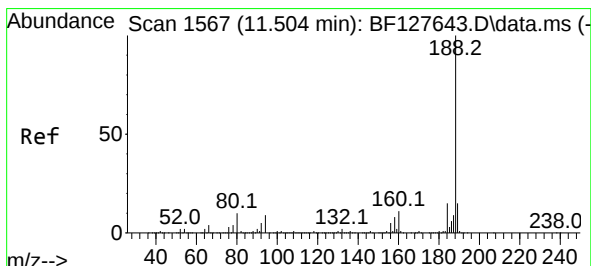
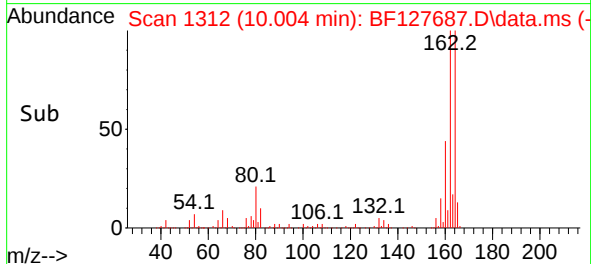
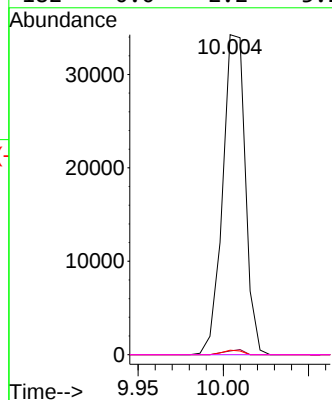
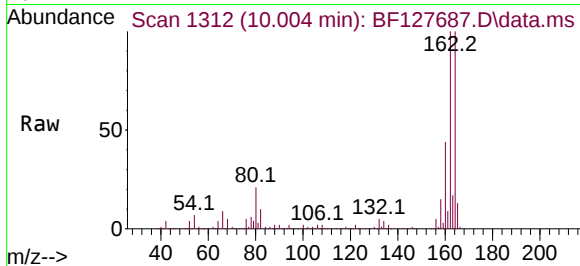




#57  
2,4-Dinitrotoluene  
Concen: 7.677 ng  
RT: 10.004 min Scan# 11  
Delta R.T. -0.194 min  
Lab File: BF127687.D  
Acq: 07 Apr 2022 17:03

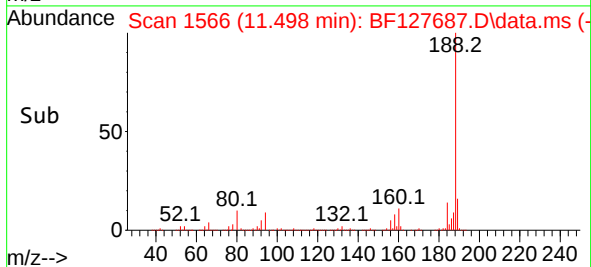
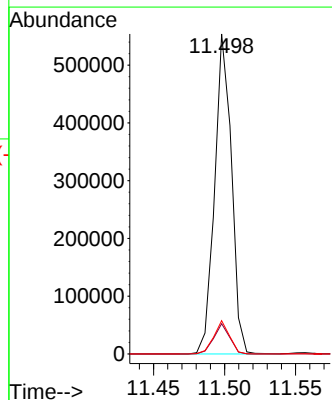
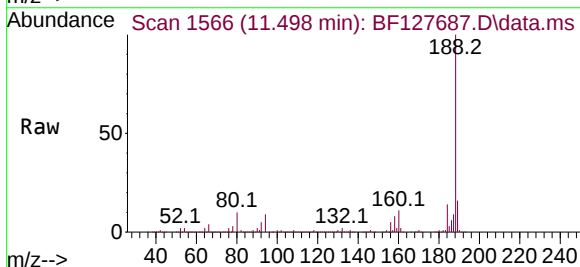
Instrument :  
BNA\_F  
ClientSampleId :  
TW-E5-DUP

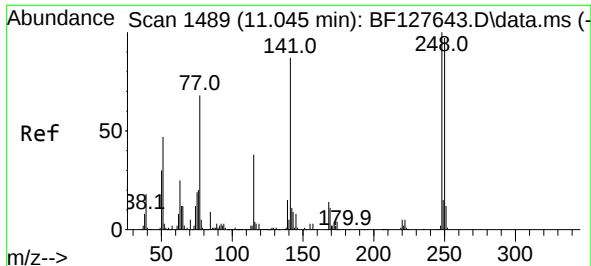
Tgt Ion:165 Resp: 31650  
Ion Ratio Lower Upper  
165 100  
63 1.2 53.1 79.7#  
89 1.4 69.2 103.8#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.498 min Scan# 1566  
Delta R.T. -0.006 min  
Lab File: BF127687.D  
Acq: 07 Apr 2022 17:03

Tgt Ion:188 Resp: 456543  
Ion Ratio Lower Upper  
188 100  
94 9.4 7.4 11.0  
80 10.4 8.0 12.0

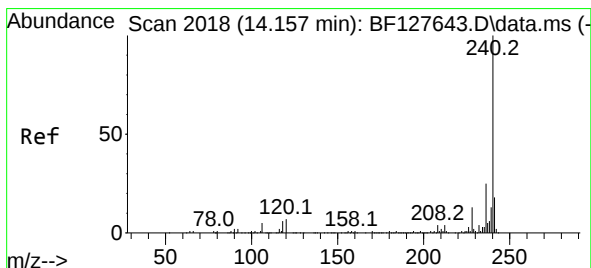
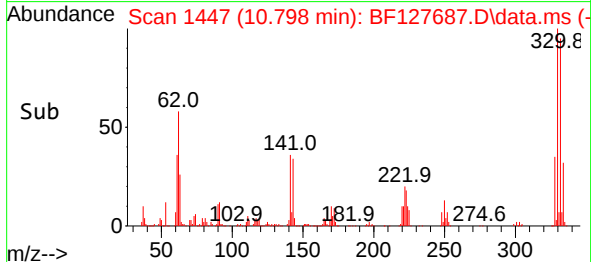
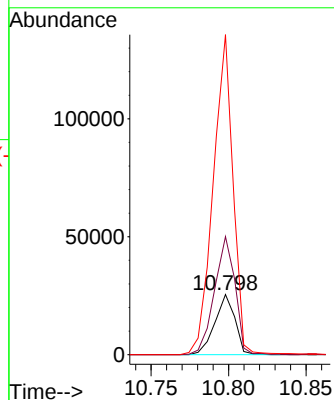
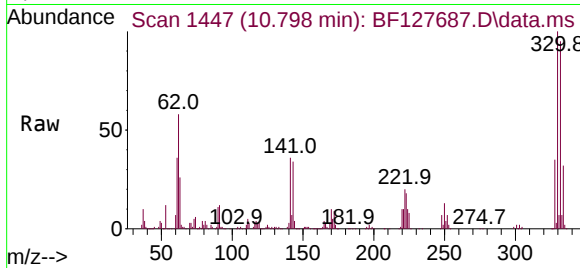




#67  
4-Bromophenyl-phenylether  
Concen: 4.154 ng  
RT: 10.798 min Scan# 1489  
Delta R.T. -0.247 min  
Lab File: BF127687.D  
Acq: 07 Apr 2022 17:03

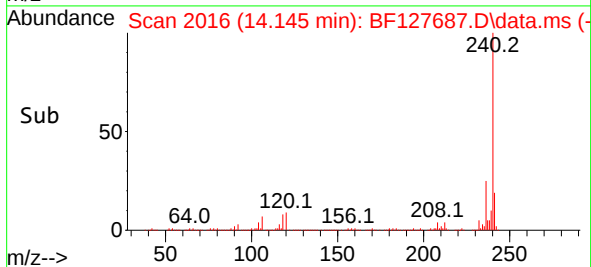
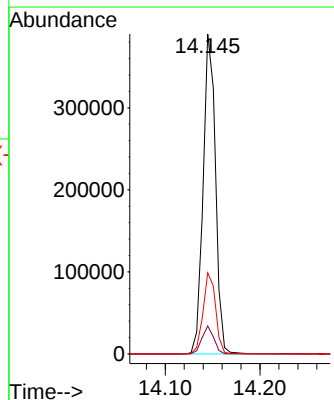
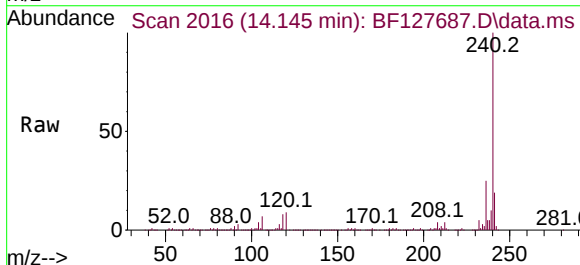
Instrument :  
BNA\_F  
ClientSampleId :  
TW-E5-DUP

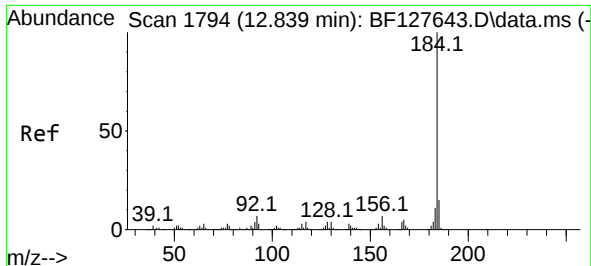
Tgt Ion:248 Resp: 23015  
Ion Ratio Lower Upper  
248 100  
250 196.4 76.6 115.0#  
141 532.2 52.2 78.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.145 min Scan# 2016  
Delta R.T. -0.012 min  
Lab File: BF127687.D  
Acq: 07 Apr 2022 17:03

Tgt Ion:240 Resp: 353242  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.1 10.7  
236 25.3 20.7 31.1

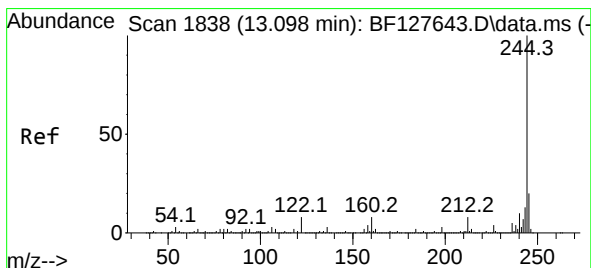
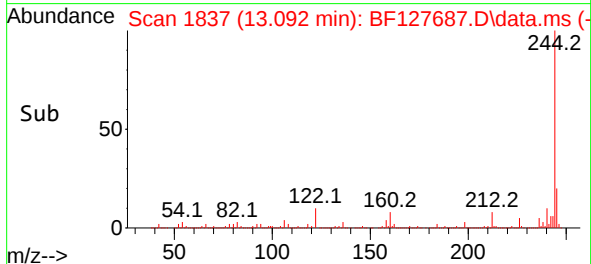
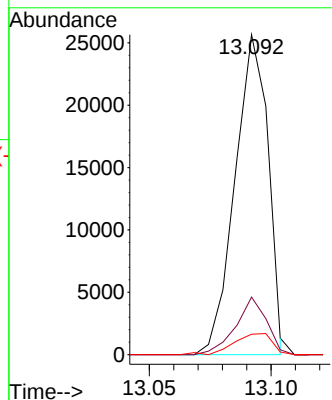
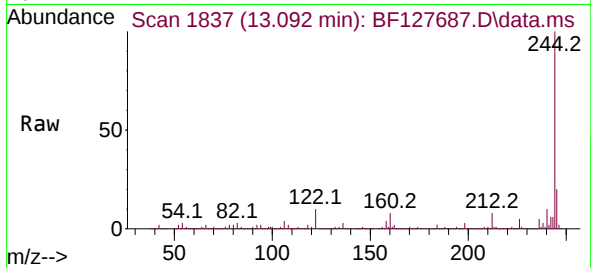




#77  
Benzidine  
Concen: 2.634 ng  
RT: 13.092 min Scan# 1837  
Delta R.T. 0.253 min  
Lab File: BF127687.D  
Acq: 07 Apr 2022 17:03

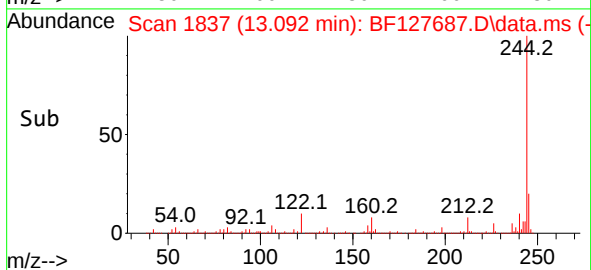
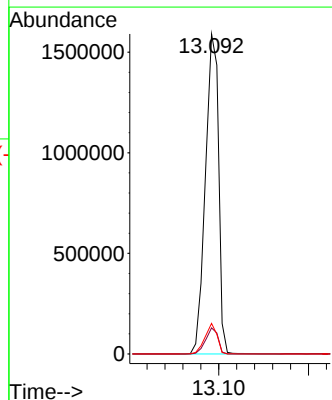
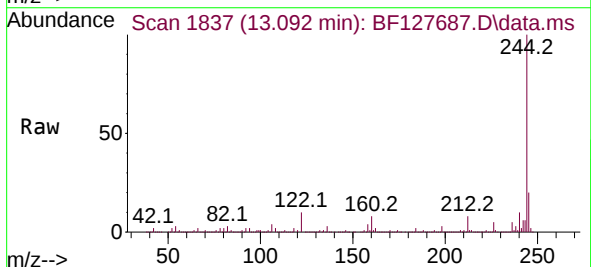
Instrument :  
BNA\_F  
ClientSampleId :  
TW-E5-DUP

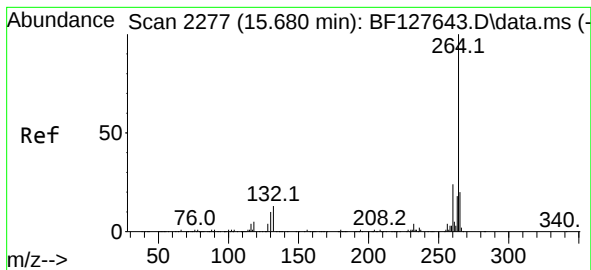
Tgt Ion:184 Resp: 24285  
Ion Ratio Lower Upper  
184 100  
185 18.0 12.2 18.2  
183 6.4 9.4 14.0#



#79  
Terphenyl-d14  
Concen: 75.823 ng  
RT: 13.092 min Scan# 1837  
Delta R.T. -0.006 min  
Lab File: BF127687.D  
Acq: 07 Apr 2022 17:03

Tgt Ion:244 Resp: 1622674  
Ion Ratio Lower Upper  
244 100  
212 8.2 5.7 8.5  
122 9.5 6.2 9.2#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.674 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF127687.D  
Acq: 07 Apr 2022 17:03

Instrument :  
BNA\_F  
ClientSampleId :  
TW-E5-DUP

Tgt Ion:264 Resp: 306792  
Ion Ratio Lower Upper  
264 100  
260 24.9 19.1 28.7  
265 21.1 17.4 26.2

