

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF041122\  
 Data File : BF127742.D  
 Acq On : 11 Apr 2022 16:54  
 Operator : CG\JU  
 Sample : N2340-08  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-08-17.5-18.0

Quant Time: Apr 12 04:55:43 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

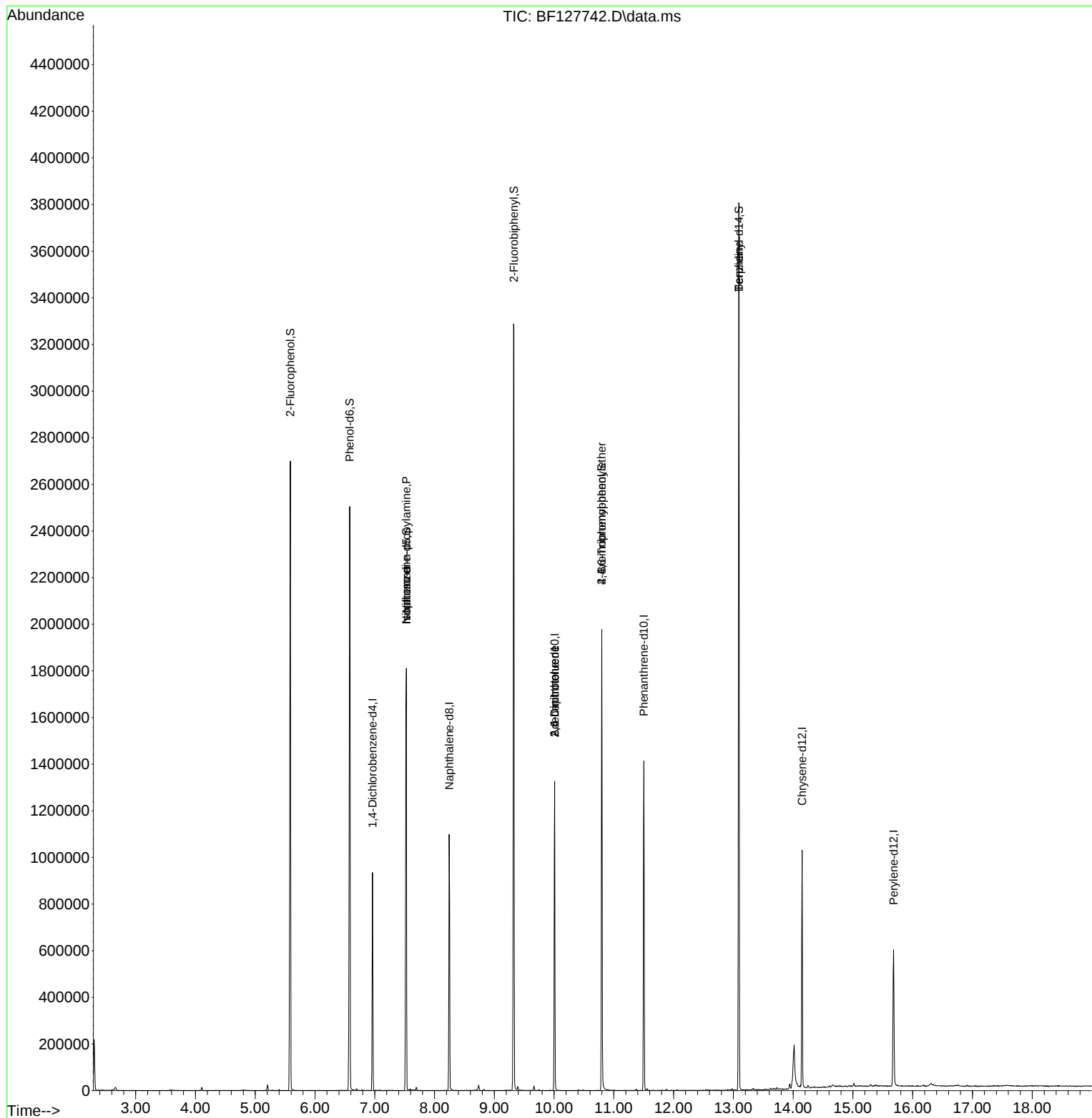
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.963  | 152  | 123497   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.245  | 136  | 450532   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 10.010 | 164  | 264022   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.504 | 188  | 500733   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.151 | 240  | 339053   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.680 | 264  | 287044   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.587  | 112  | 679158   | 89.360    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.581  | 99   | 876734   | 88.178    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.528  | 82   | 611747   | 60.534    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.798 | 330  | 225316   | 80.195    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.328  | 172  | 1105425  | 59.230    | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.092 | 244  | 1329051  | 64.702    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.581  | 77   | 1849     | Below Cal | #     | 7        |
| 19) n-Nitroso-di-n-propyla... | 7.528  | 70   | 82392    | 12.812    | ng    | # 75     |
| 25) Isophorone                | 7.528  | 82   | 611842   | 34.697    | ng    | # 70     |
| 51) 2,6-Dinitrotoluene        | 10.010 | 165  | 33925    | 9.404     | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 10.010 | 165  | 33925    | 7.585     | ng    | # 13     |
| 67) 4-Bromophenyl-phenylether | 10.798 | 248  | 14775    | 2.431     | ng    | # 1      |
| 77) Benzdine                  | 13.092 | 184  | 18994    | 2.146     | ng    | # 91     |
| -----                         |        |      |          |           |       |          |

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

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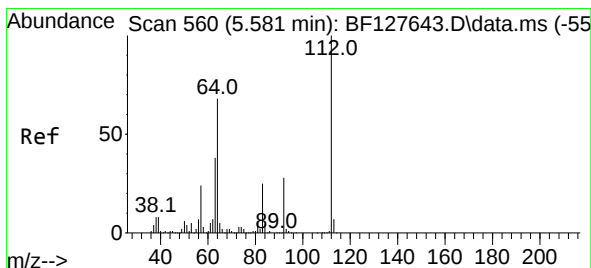
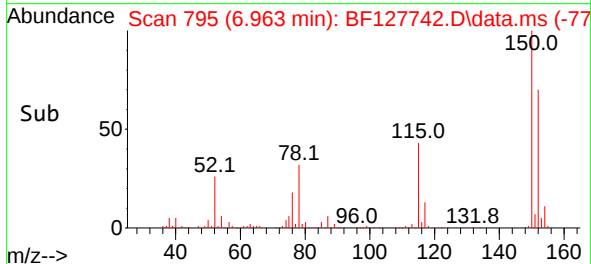
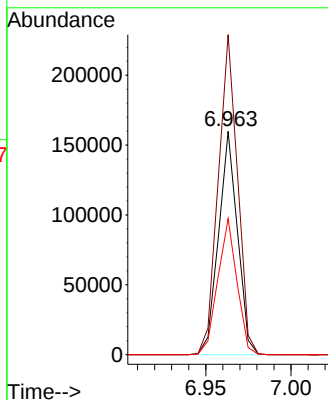
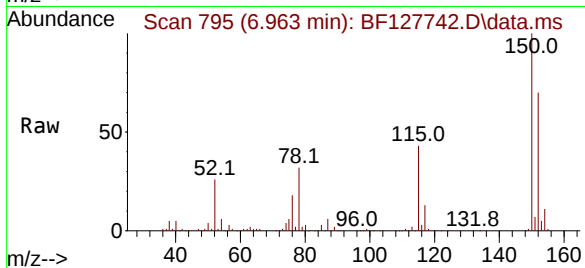




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.963 min Scan# 795  
 Delta R.T. 0.000 min  
 Lab File: BF127742.D  
 Acq: 11 Apr 2022 16:54

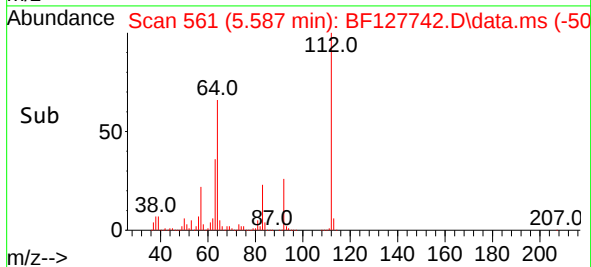
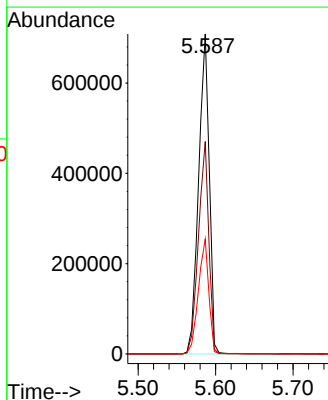
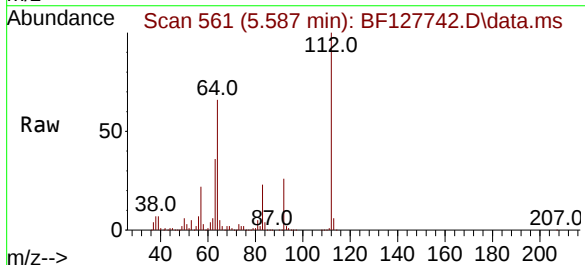
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-08-17.5-18.0

Tgt Ion:152 Resp: 123497  
 Ion Ratio Lower Upper  
 152 100  
 150 143.2 117.2 175.8  
 115 60.9 49.8 74.6



#5  
 2-Fluorophenol  
 Concen: 89.360 ng  
 RT: 5.587 min Scan# 561  
 Delta R.T. 0.006 min  
 Lab File: BF127742.D  
 Acq: 11 Apr 2022 16:54

Tgt Ion:112 Resp: 679158  
 Ion Ratio Lower Upper  
 112 100  
 64 66.4 58.4 87.6  
 63 35.9 30.1 45.1





#7

Phenol-d6

Concen: 88.178 ng

RT: 6.581 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF127742.D

Acq: 11 Apr 2022 16:54

Instrument :

BNA\_F

ClientSampleId :

SB-08-17.5-18.0

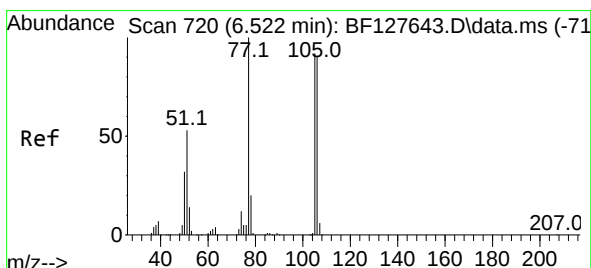
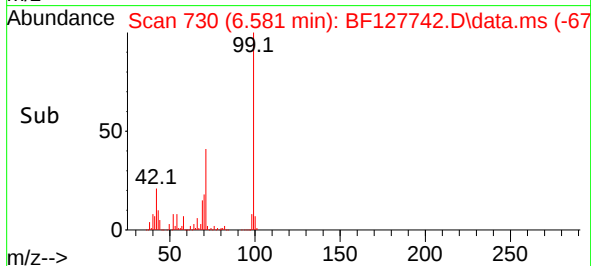
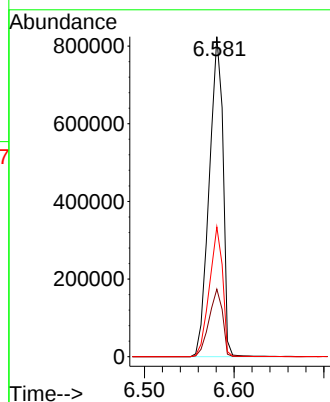
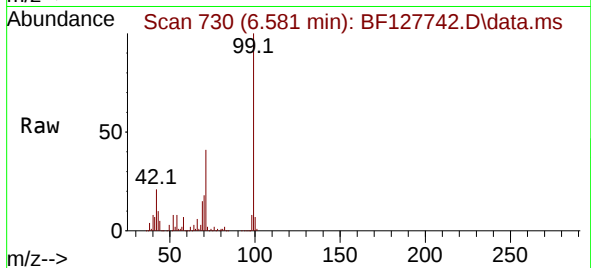
Tgt Ion: 99 Resp: 876734

Ion Ratio Lower Upper

99 100

42 21.1 17.8 26.6

71 40.6 29.6 44.4



#9

Benzaldehyde

Concen: Below Cal

RT: 6.581 min Scan# 730

Delta R.T. 0.059 min

Lab File: BF127742.D

Acq: 11 Apr 2022 16:54

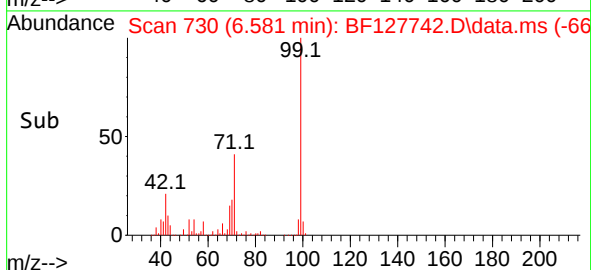
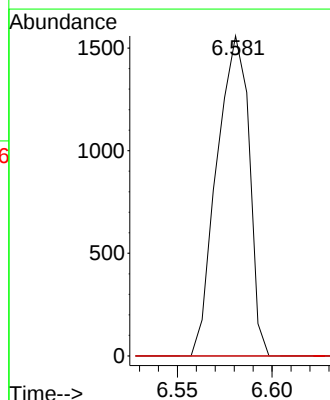
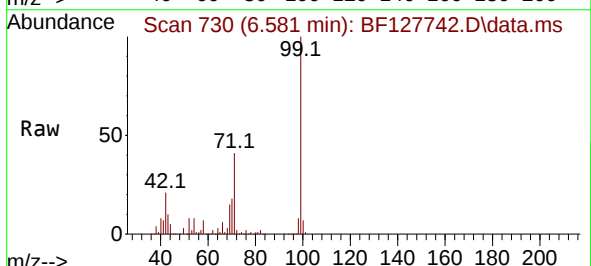
Tgt Ion: 77 Resp: 1849

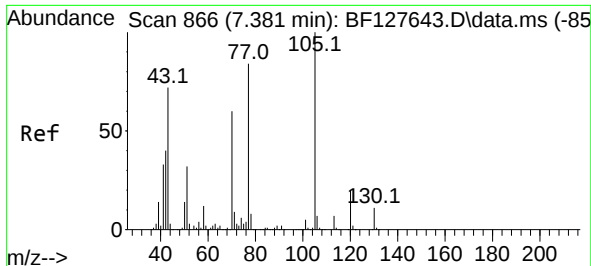
Ion Ratio Lower Upper

77 100

105 0.0 66.8 106.8#

106 0.0 64.3 104.3#

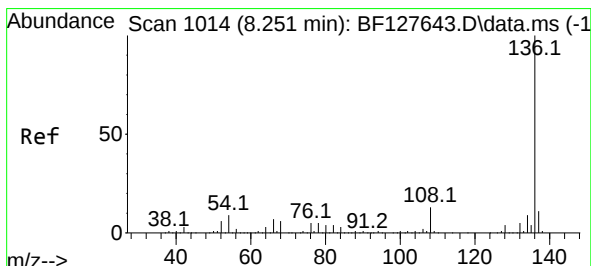
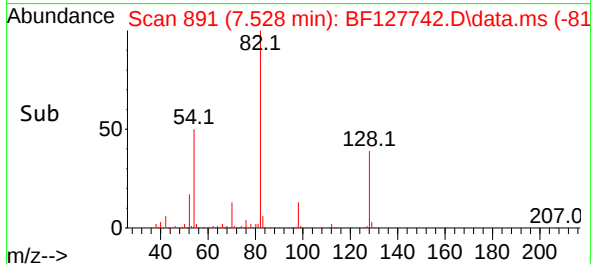
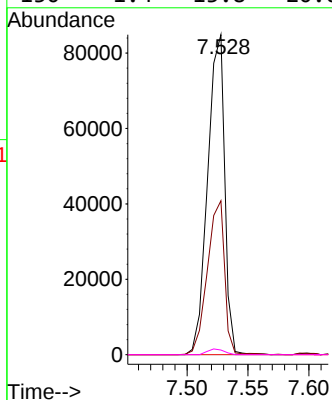
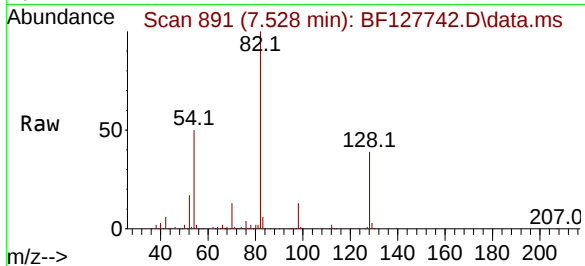




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.812 ng  
RT: 7.528 min Scan# 891  
Delta R.T. 0.147 min  
Lab File: BF127742.D  
Acq: 11 Apr 2022 16:54

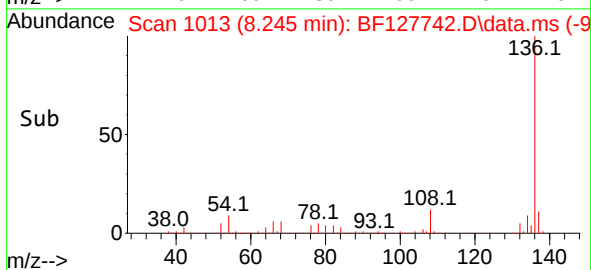
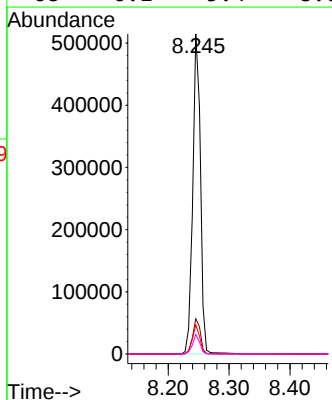
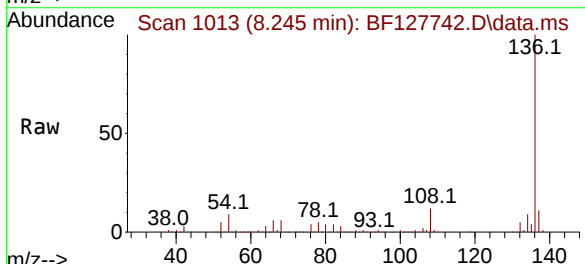
Instrument :  
BNA\_F  
ClientSampleId :  
SB-08-17.5-18.0

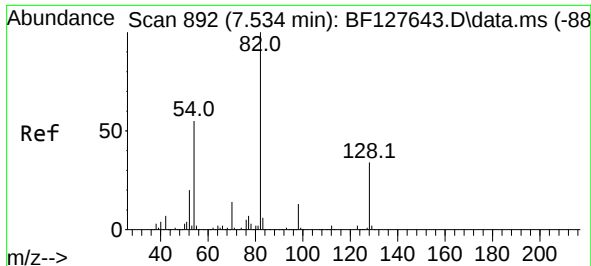
Tgt Ion: 70 Resp: 82392  
Ion Ratio Lower Upper  
70 100  
42 48.1 53.0 79.6#  
101 0.0 6.8 10.2#  
130 1.4 13.8 20.6#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.245 min Scan# 1013  
Delta R.T. -0.006 min  
Lab File: BF127742.D  
Acq: 11 Apr 2022 16:54

Tgt Ion: 136 Resp: 450532  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 13.0  
54 9.0 9.2 13.8#  
68 6.1 5.4 8.0





#23

Nitrobenzene-d5

Concen: 60.534 ng

RT: 7.528 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF127742.D

Acq: 11 Apr 2022 16:54

Instrument :

BNA\_F

ClientSampleId :

SB-08-17.5-18.0

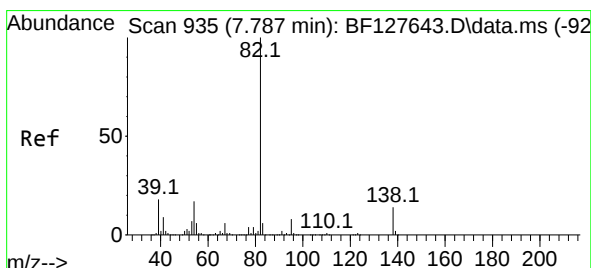
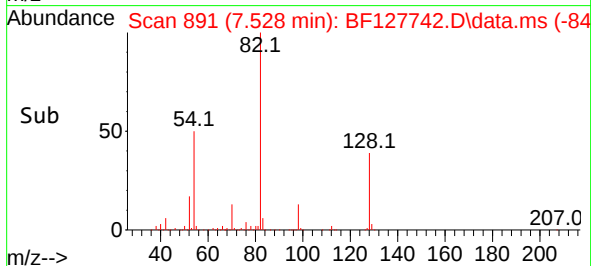
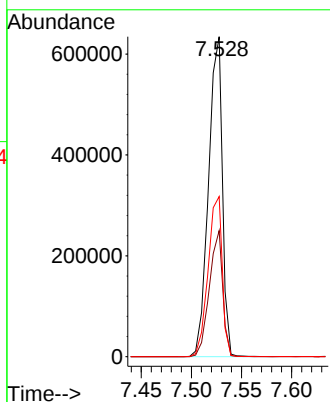
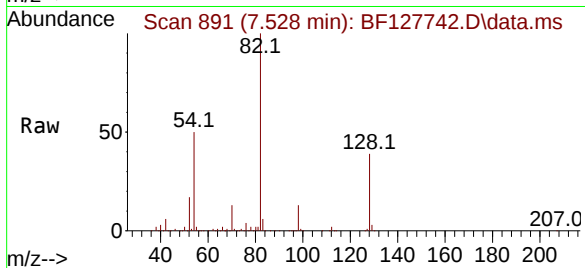
Tgt Ion: 82 Resp: 611747

Ion Ratio Lower Upper

82 100

128 39.4 30.6 45.8

54 50.1 48.2 72.2



#25

Isophorone

Concen: 34.697 ng

RT: 7.528 min Scan# 891

Delta R.T. -0.259 min

Lab File: BF127742.D

Acq: 11 Apr 2022 16:54

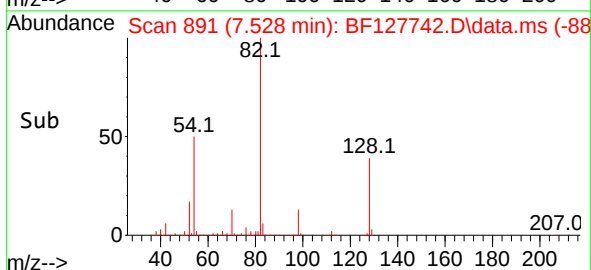
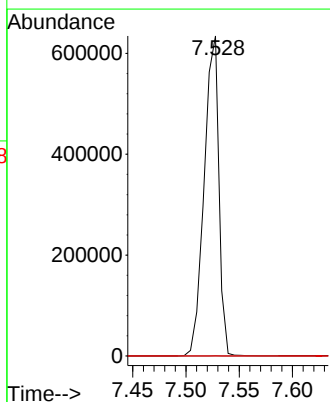
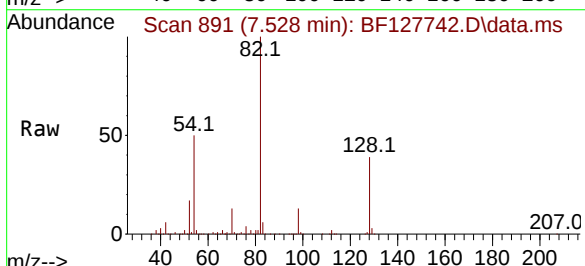
Tgt Ion: 82 Resp: 611842

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

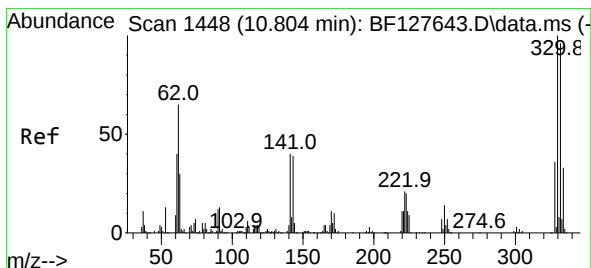
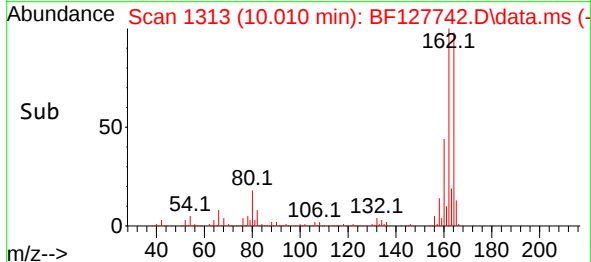
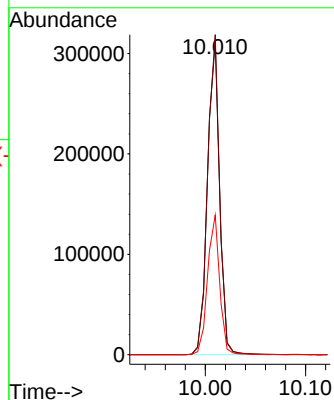
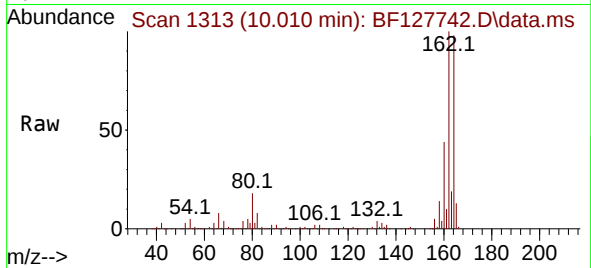




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.010 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF127742.D  
 Acq: 11 Apr 2022 16:54

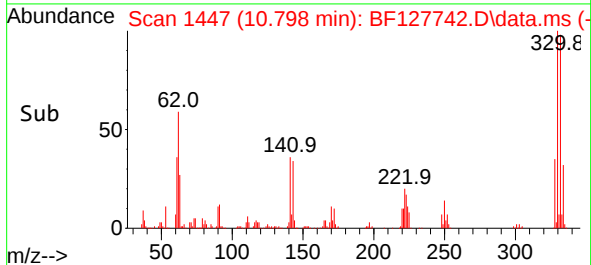
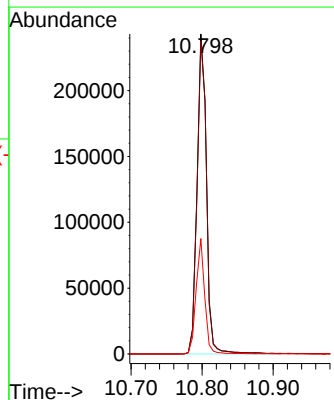
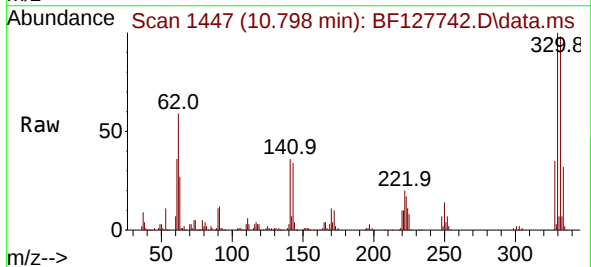
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-08-17.5-18.0

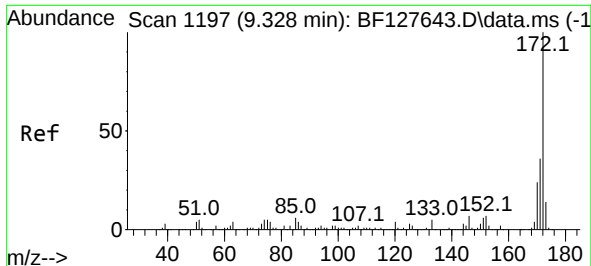
Tgt Ion:164 Resp: 264022  
 Ion Ratio Lower Upper  
 164 100  
 162 102.4 81.2 121.8  
 160 44.6 34.6 52.0



#42  
 2,4,6-Tribromophenol  
 Concen: 80.195 ng  
 RT: 10.798 min Scan# 1447  
 Delta R.T. -0.006 min  
 Lab File: BF127742.D  
 Acq: 11 Apr 2022 16:54

Tgt Ion:330 Resp: 225316  
 Ion Ratio Lower Upper  
 330 100  
 332 98.1 79.1 118.7  
 141 33.2 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 59.230 ng

RT: 9.328 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BF127742.D

Acq: 11 Apr 2022 16:54

Instrument :

BNA\_F

ClientSampleId :

SB-08-17.5-18.0

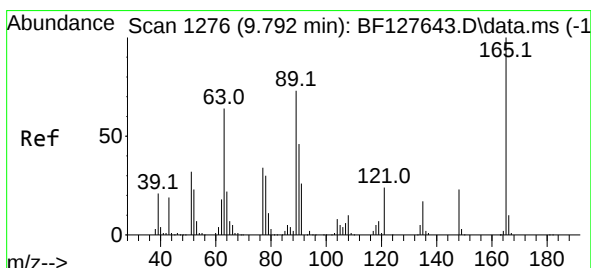
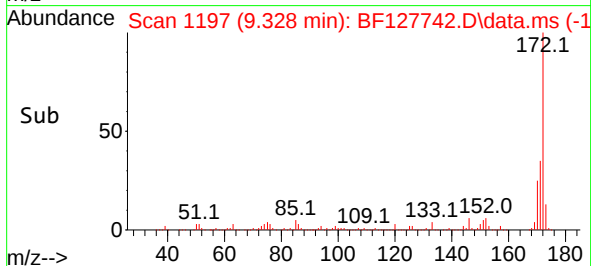
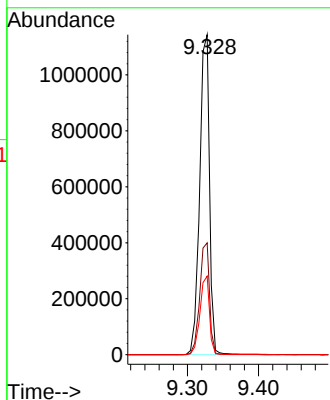
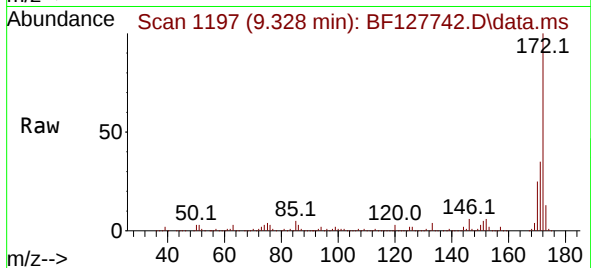
Tgt Ion:172 Resp: 1105425

Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 24.5 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.404 ng

RT: 10.010 min Scan# 1313

Delta R.T. 0.218 min

Lab File: BF127742.D

Acq: 11 Apr 2022 16:54

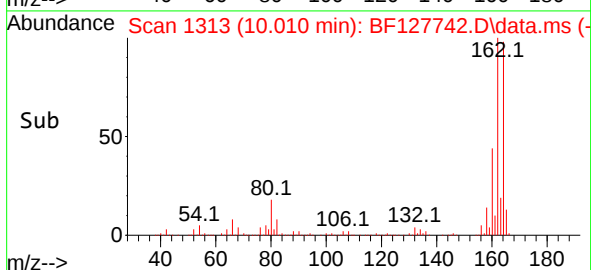
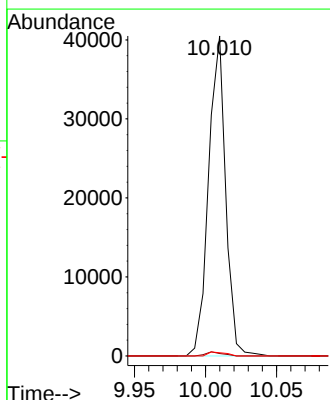
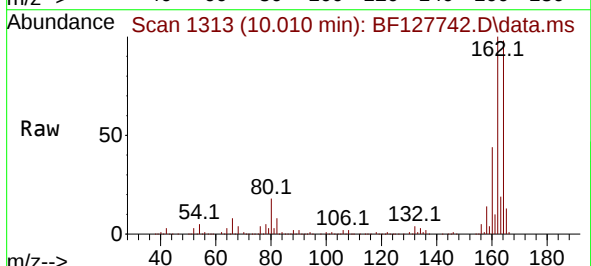
Tgt Ion:165 Resp: 33925

Ion Ratio Lower Upper

165 100

63 0.8 58.3 87.5#

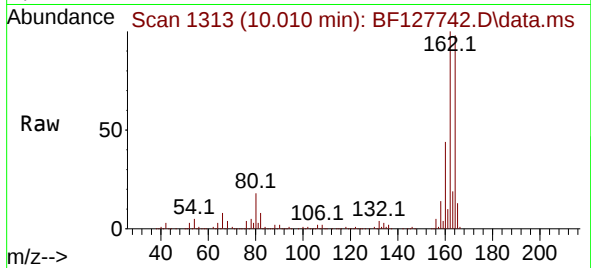
89 1.0 51.5 77.3#



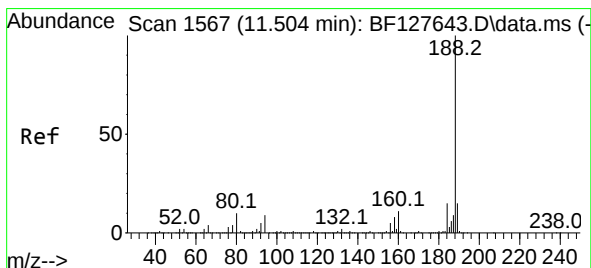
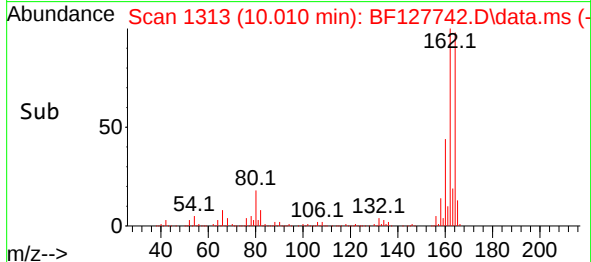
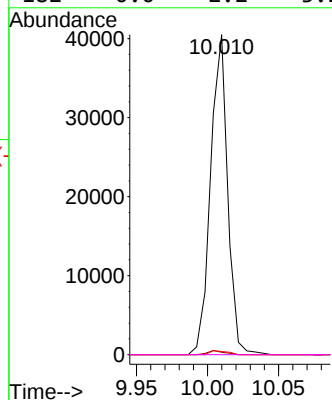


#57  
2,4-Dinitrotoluene  
Concen: 7.585 ng  
RT: 10.010 min Scan# 1313  
Delta R.T. -0.188 min  
Lab File: BF127742.D  
Acq: 11 Apr 2022 16:54

Instrument :  
BNA\_F  
ClientSampleId :  
SB-08-17.5-18.0

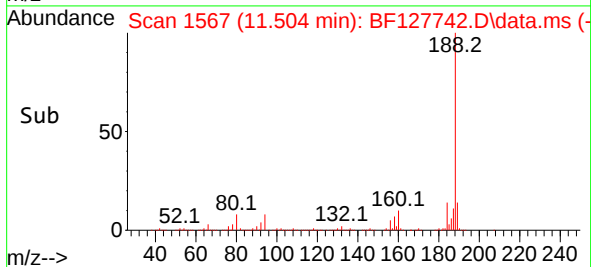
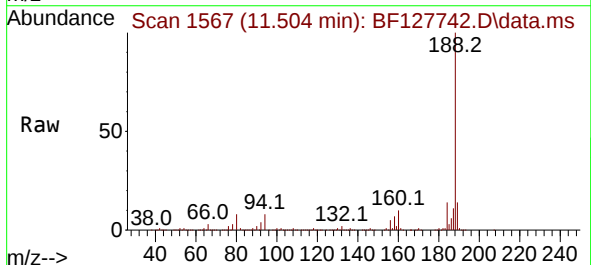
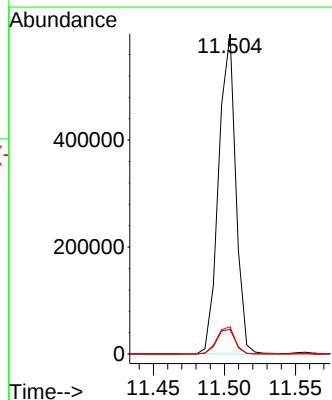


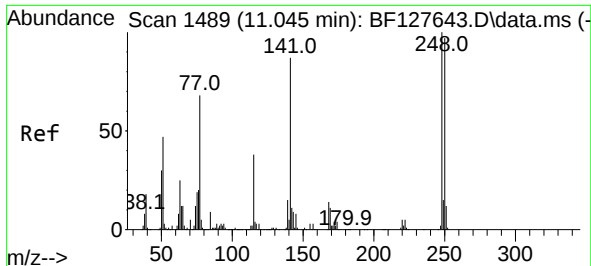
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Ion Ratio Lower Upper  
165 100  
63 0.8 53.1 79.7#  
89 1.0 69.2 103.8#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.504 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: BF127742.D  
Acq: 11 Apr 2022 16:54

Tgt Ion:188 Resp: 500733  
Ion Ratio Lower Upper  
188 100  
94 7.6 7.4 11.0  
80 8.5 8.0 12.0

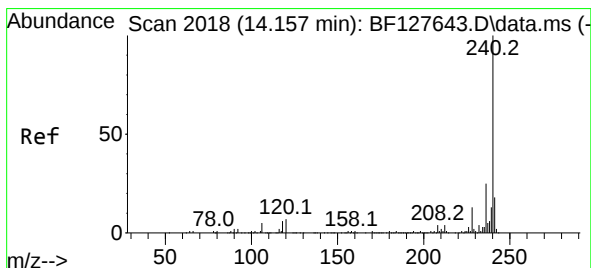
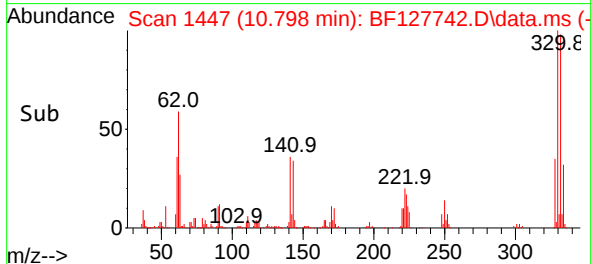
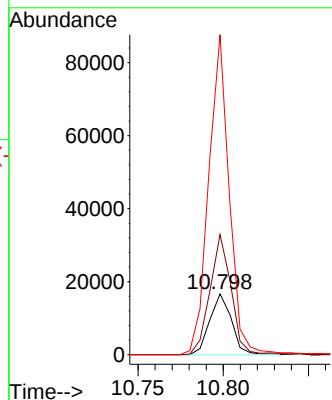
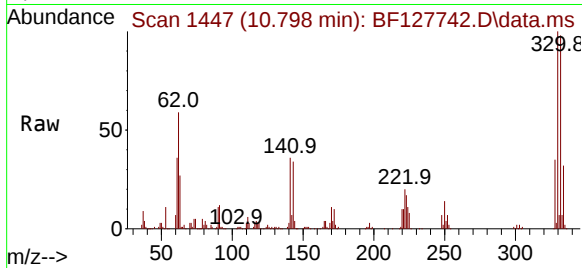




#67  
4-Bromophenyl-phenylether  
Concen: 2.431 ng  
RT: 10.798 min Scan# 1489  
Delta R.T. -0.247 min  
Lab File: BF127742.D  
Acq: 11 Apr 2022 16:54

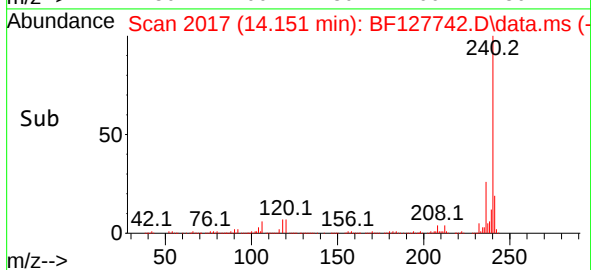
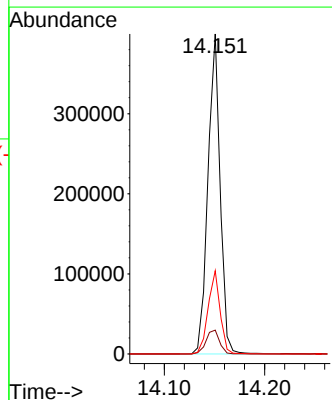
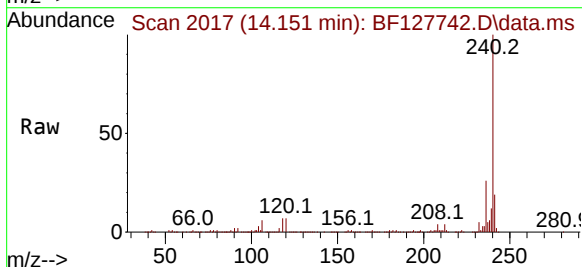
Instrument :  
BNA\_F  
ClientSampleId :  
SB-08-17.5-18.0

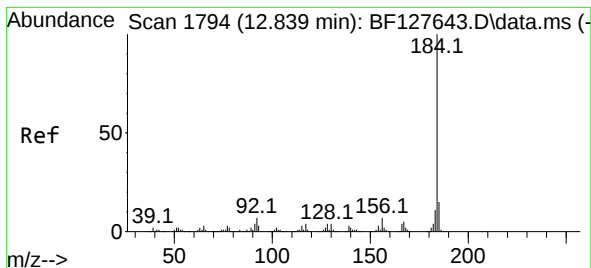
Tgt Ion:248 Resp: 14775  
Ion Ratio Lower Upper  
248 100  
250 197.8 76.6 115.0#  
141 526.7 52.2 78.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.151 min Scan# 2017  
Delta R.T. -0.006 min  
Lab File: BF127742.D  
Acq: 11 Apr 2022 16:54

Tgt Ion:240 Resp: 339053  
Ion Ratio Lower Upper  
240 100  
120 7.4 7.1 10.7  
236 26.0 20.7 31.1





#77

Benzidine

Concen: 2.146 ng

RT: 13.092 min Scan# 1837

Delta R.T. 0.253 min

Lab File: BF127742.D

Acq: 11 Apr 2022 16:54

Instrument :

BNA\_F

ClientSampleId :

SB-08-17.5-18.0

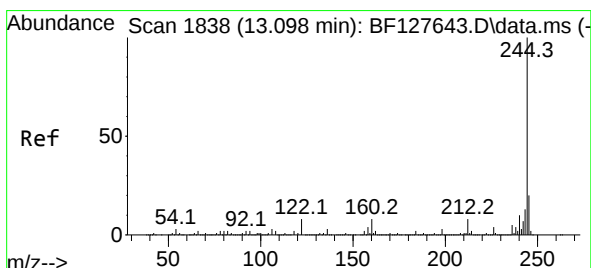
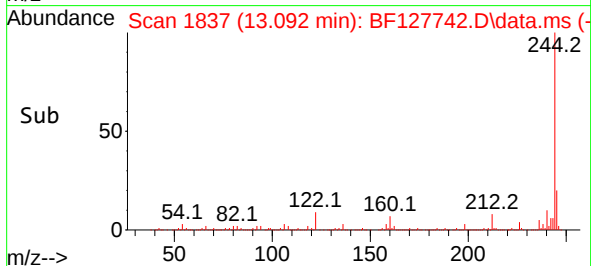
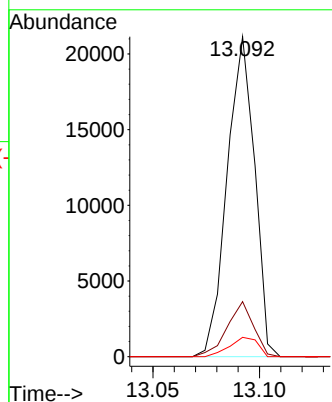
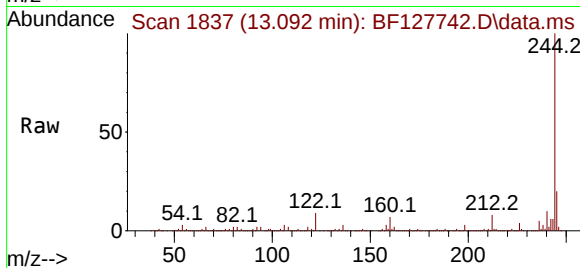
Tgt Ion:184 Resp: 18994

Ion Ratio Lower Upper

184 100

185 17.2 12.2 18.2

183 6.0 9.4 14.0#



#79

Terphenyl-d14

Concen: 64.702 ng

RT: 13.092 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF127742.D

Acq: 11 Apr 2022 16:54

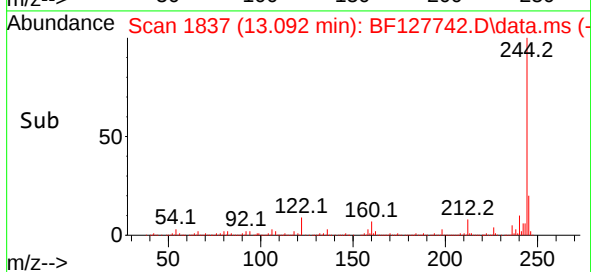
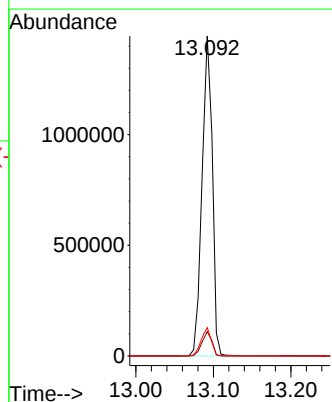
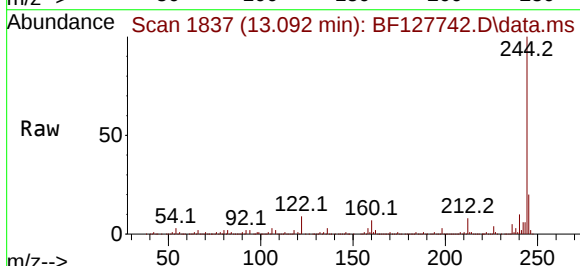
Tgt Ion:244 Resp: 1329051

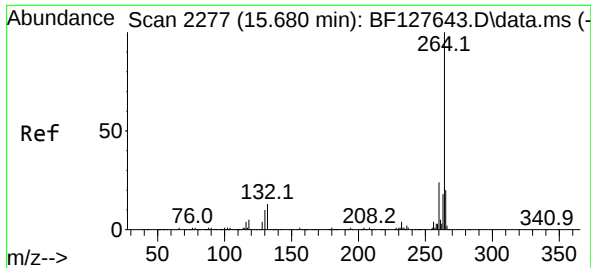
Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

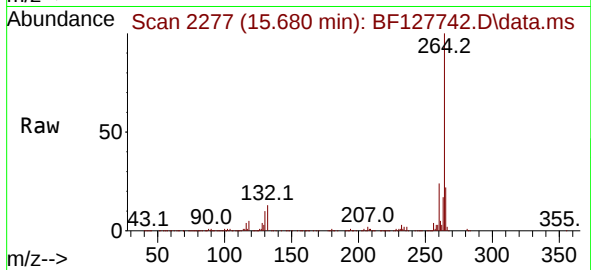
122 8.8 6.2 9.2





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.680 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BF127742.D  
 Acq: 11 Apr 2022 16:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-08-17.5-18.0



Tgt Ion:264 Resp: 287044  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.1 28.7  
 265 21.7 17.4 26.2

