

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF040722\  
 Data File : BF127702.D  
 Acq On : 08 Apr 2022 00:22  
 Operator : CG\JU  
 Sample : N2282-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LA-1

Quant Time: Apr 08 04:47:06 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

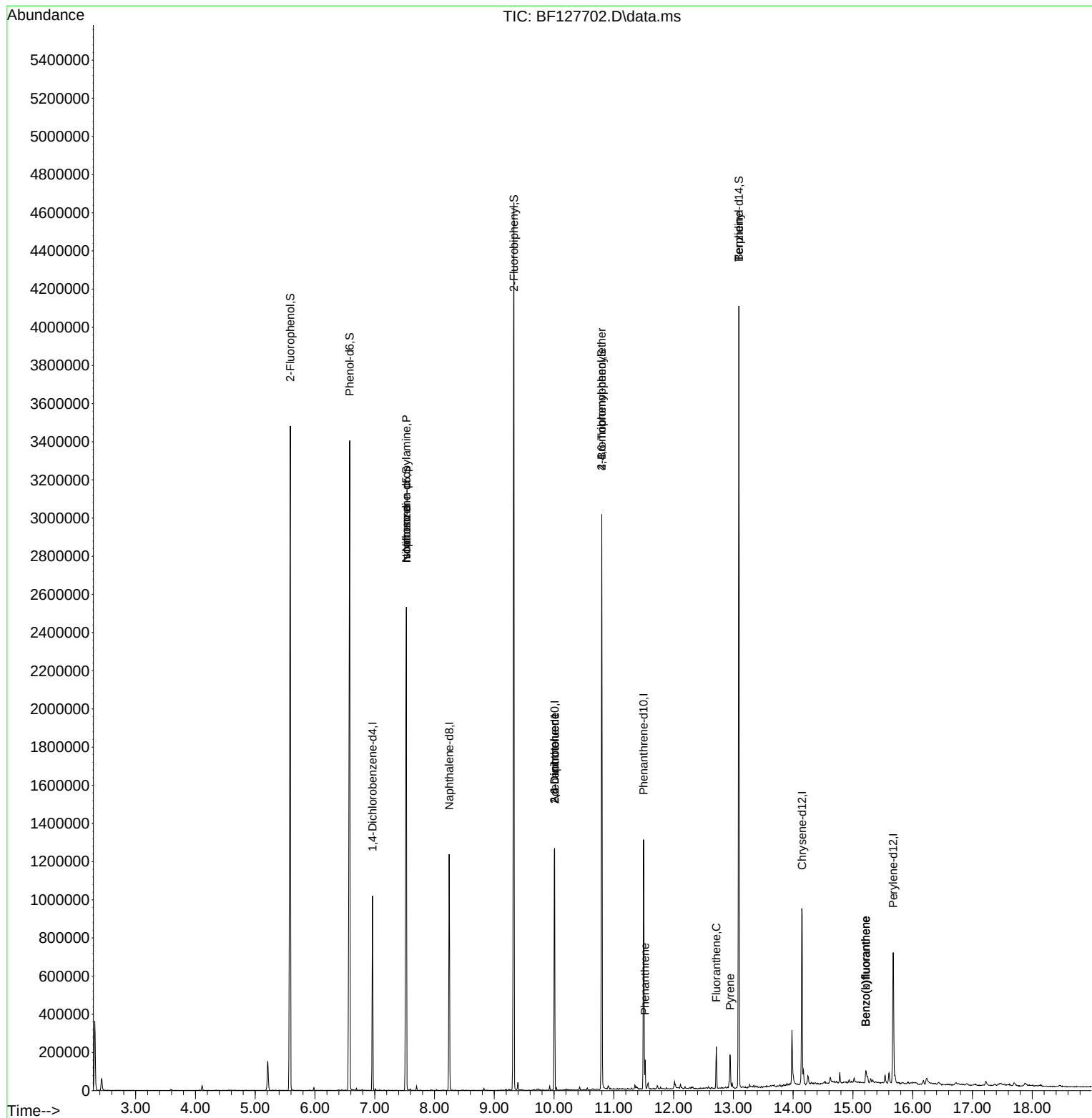
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.963  | 152  | 135684   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.245  | 136  | 484278   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 10.010 | 164  | 278446   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.498 | 188  | 465281   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.151 | 240  | 334833   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.674 | 264  | 338027   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.587  | 112  | 943569   | 112.999   | ng    | 0.00     |
| 7) Phenol-d6                  | 6.581  | 99   | 1222398  | 111.901   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.528  | 82   | 868158   | 79.920    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.798 | 330  | 347416   | 117.248   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.328  | 172  | 1485051  | 75.449    | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.092 | 244  | 1454153  | 71.684    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.516  | 77   | 67       | Below Cal | #     | 7        |
| 19) n-Nitroso-di-n-propyla... | 7.528  | 70   | 118099   | 16.715    | ng    | # 75     |
| 25) Isophorone                | 7.528  | 82   | 868148   | 45.801    | ng    | # 70     |
| 51) 2,6-Dinitrotoluene        | 10.010 | 165  | 34076    | 8.957     | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 10.010 | 165  | 34076    | 7.224     | ng    | # 14     |
| 67) 4-Bromophenyl-phenylether | 10.798 | 248  | 22401    | 3.967     | ng    | # 1      |
| 71) Phenanthrene              | 11.522 | 178  | 50259    | 2.039     | ng    | 99       |
| 75) Fluoranthene              | 12.716 | 202  | 80743    | 3.001     | ng    | 98       |
| 77) Benzidine                 | 13.092 | 184  | 21512    | 2.462     | ng    | # 91     |
| 78) Pyrene                    | 12.945 | 202  | 69262    | 2.450     | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.216 | 252  | 49938    | 2.296     | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.216 | 252  | 49938    | 2.315     | ng    | 99       |
| -----                         |        |      |          |           |       |          |

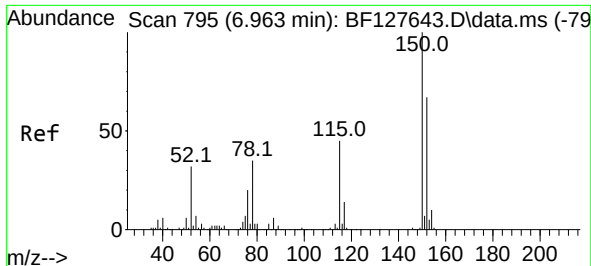
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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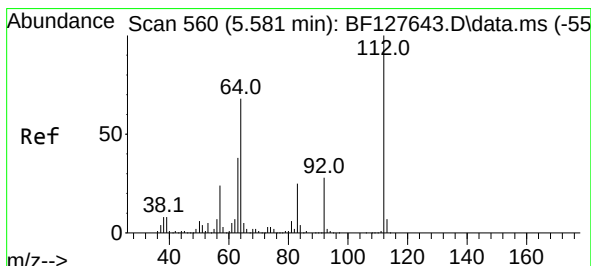
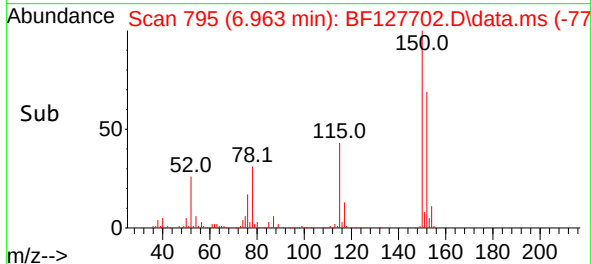
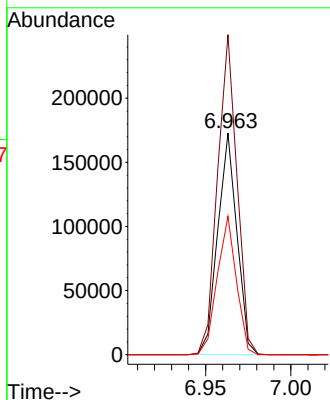
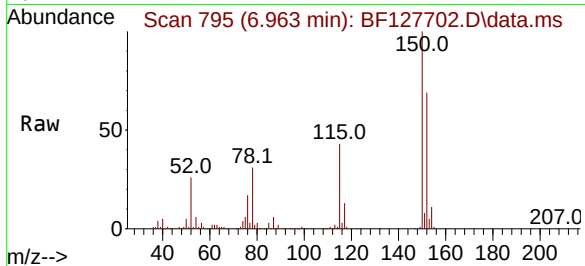




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.963 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

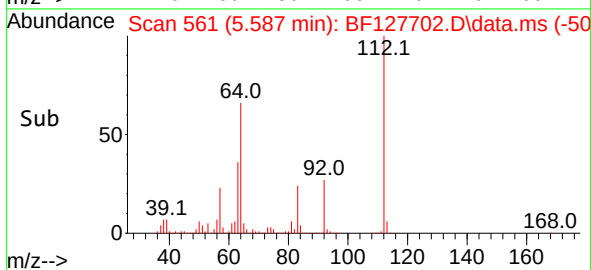
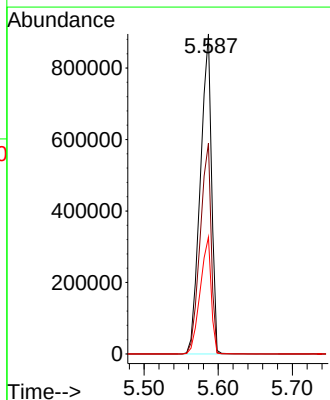
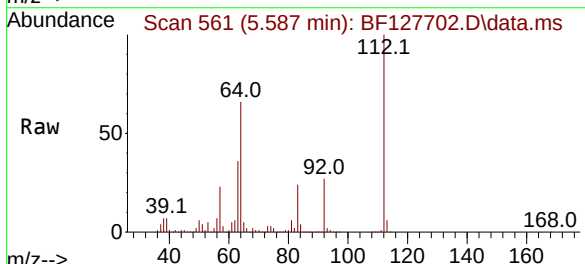
Instrument :  
BNA\_F  
ClientSampleId :  
LA-1

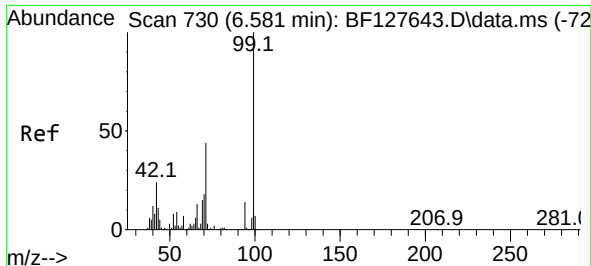
Tgt Ion:152 Resp: 135684  
Ion Ratio Lower Upper  
152 100  
150 144.4 117.2 175.8  
115 62.4 49.8 74.6



#5  
2-Fluorophenol  
Concen: 112.999 ng  
RT: 5.587 min Scan# 561  
Delta R.T. 0.006 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

Tgt Ion:112 Resp: 943569  
Ion Ratio Lower Upper  
112 100  
64 65.9 58.4 87.6  
63 36.5 30.1 45.1

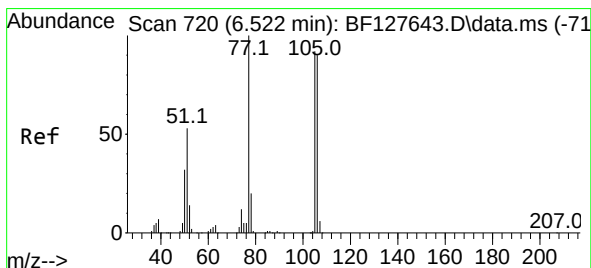
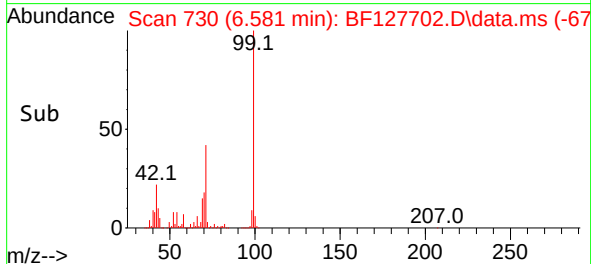
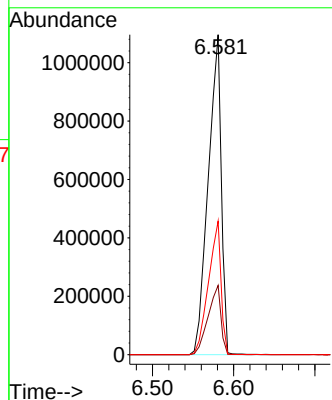
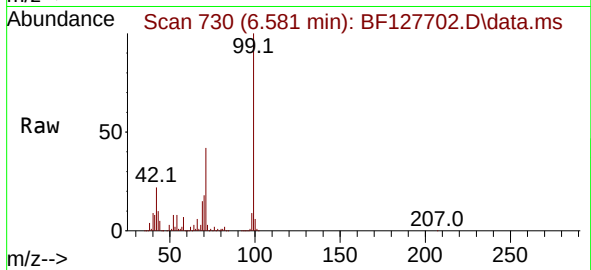




#7  
Phenol-d6  
Concen: 111.901 ng  
RT: 6.581 min Scan# 719  
Delta R.T. 0.000 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

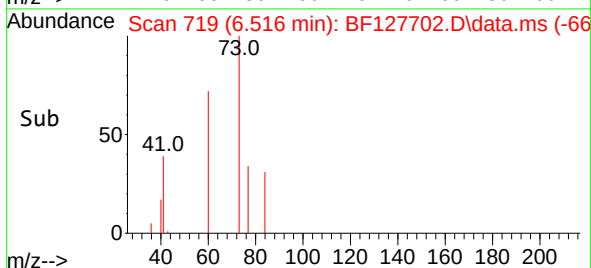
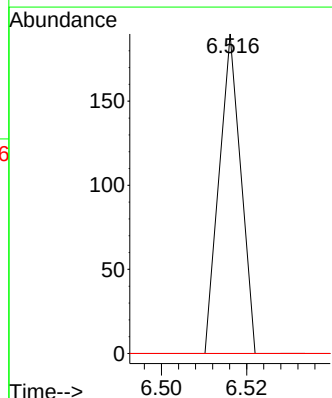
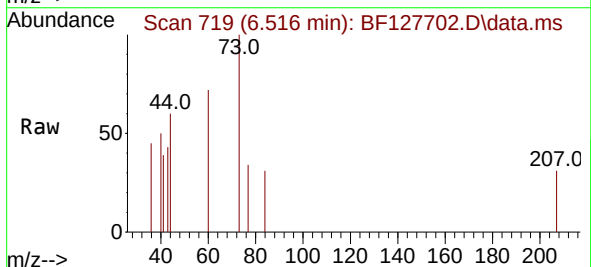
Instrument :  
BNA\_F  
ClientSampleId :  
LA-1

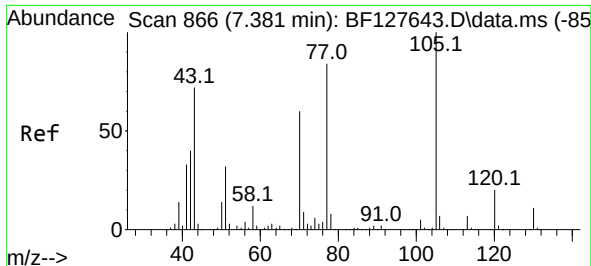
Tgt Ion: 99 Resp: 1222398  
Ion Ratio Lower Upper  
99 100  
42 21.6 17.8 26.6  
71 41.7 29.6 44.4



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.516 min Scan# 719  
Delta R.T. -0.006 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

Tgt Ion: 77 Resp: 67  
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: 16.715 ng

RT: 7.528 min Scan# 891

Delta R.T. 0.147 min

Lab File: BF127702.D

Acq: 08 Apr 2022 00:22

Instrument :

BNA\_F

ClientSampleId :

LA-1

Tgt Ion: 70 Resp: 118099

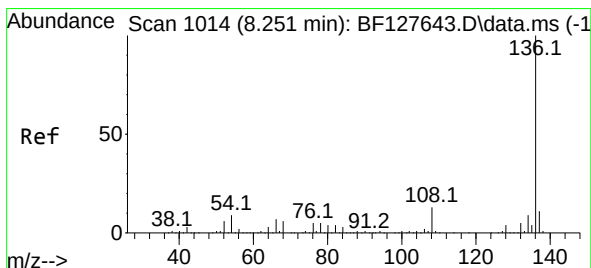
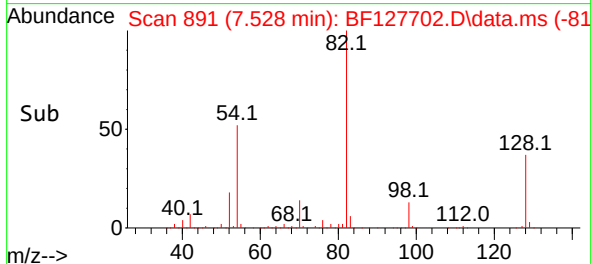
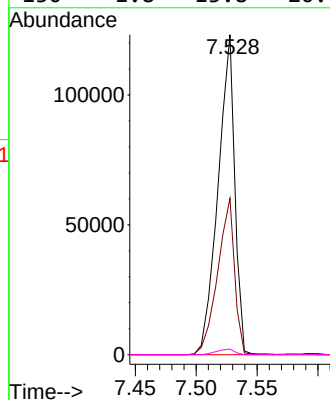
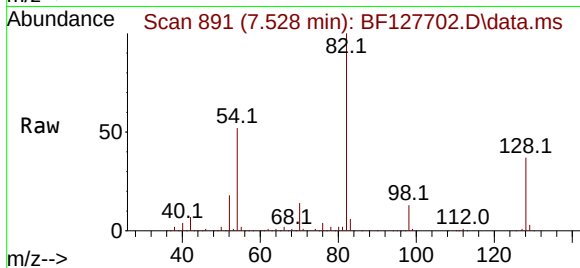
Ion Ratio Lower Upper

70 100

42 48.8 53.0 79.6#

101 0.0 6.8 10.2#

130 1.8 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: BF127702.D

Acq: 08 Apr 2022 00:22

Tgt Ion: 136 Resp: 484278

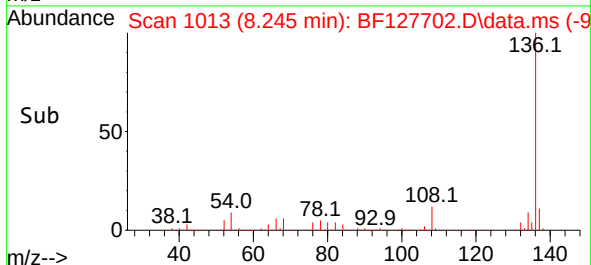
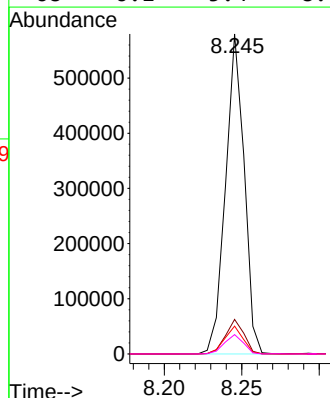
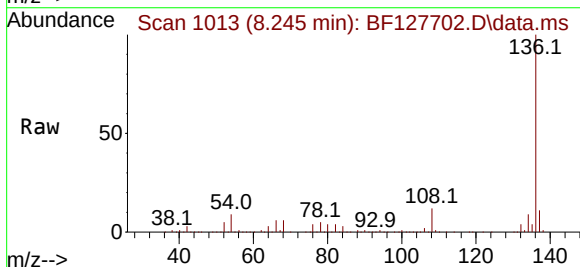
Ion Ratio Lower Upper

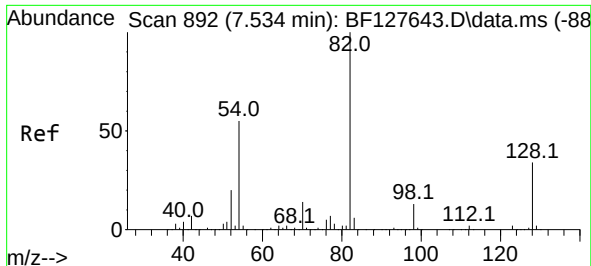
136 100

137 10.8 8.6 13.0

54 8.7 9.2 13.8#

68 6.1 5.4 8.0





#23

Nitrobenzene-d5

Concen: 79.920 ng

RT: 7.528 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF127702.D

Acq: 08 Apr 2022 00:22

Instrument :

BNA\_F

ClientSampleId :

LA-1

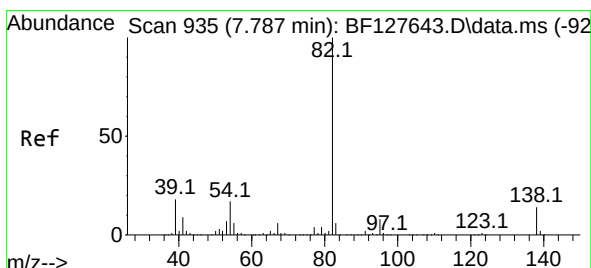
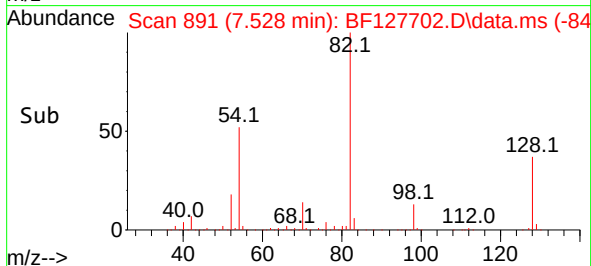
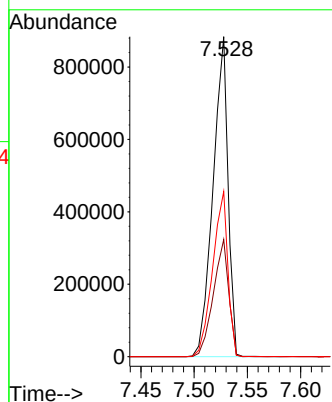
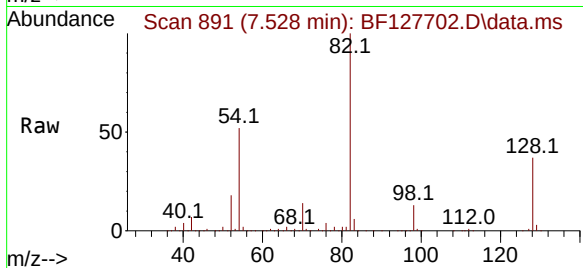
Tgt Ion: 82 Resp: 868158

Ion Ratio Lower Upper

82 100

128 36.6 30.6 45.8

54 51.6 48.2 72.2



#25

Isophorone

Concen: 45.801 ng

RT: 7.528 min Scan# 891

Delta R.T. -0.259 min

Lab File: BF127702.D

Acq: 08 Apr 2022 00:22

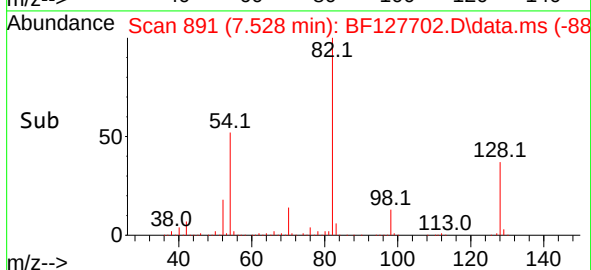
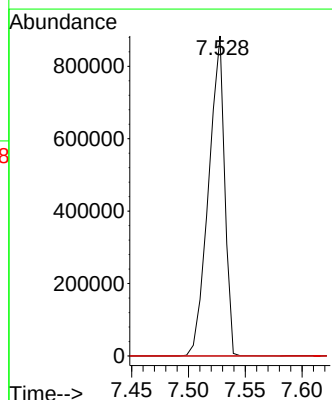
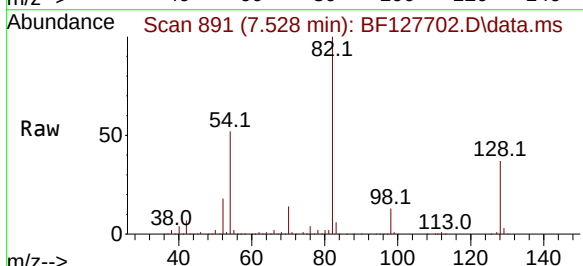
Tgt Ion: 82 Resp: 868148

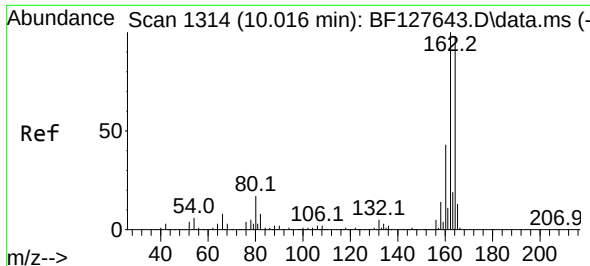
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

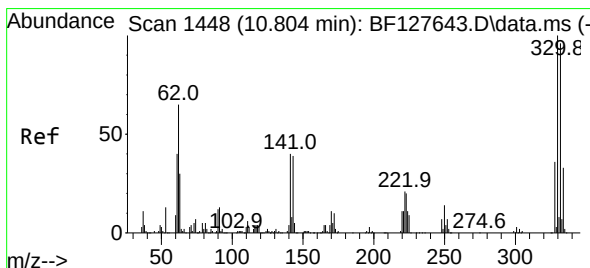
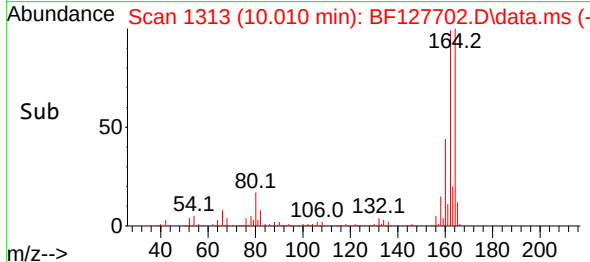
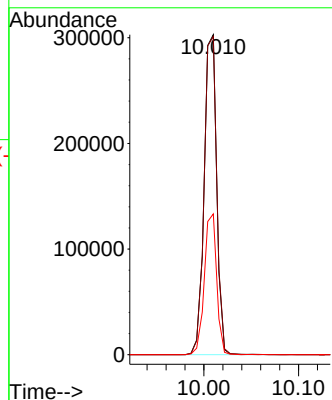
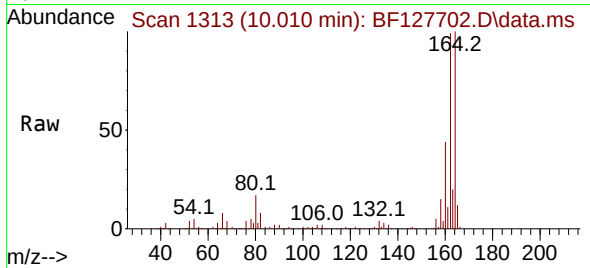




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.010 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

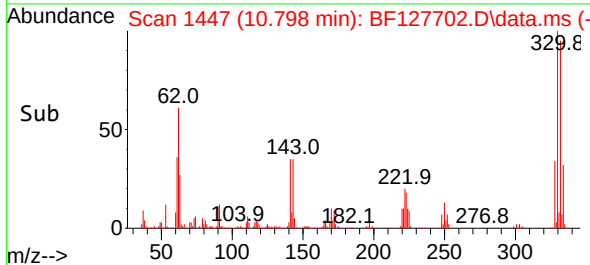
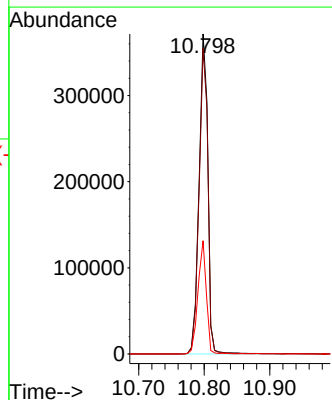
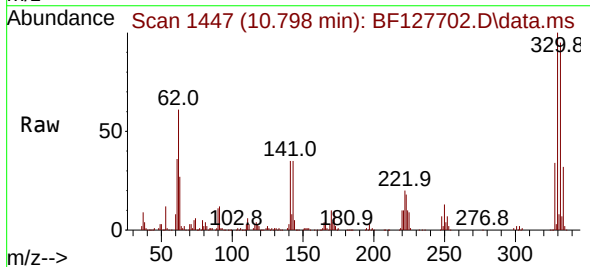
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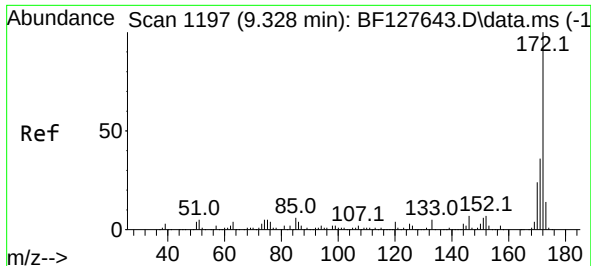
Tgt Ion:164 Resp: 278446  
Ion Ratio Lower Upper  
164 100  
162 99.5 81.2 121.8  
160 44.0 34.6 52.0



#42  
2,4,6-Tribromophenol  
Concen: 117.248 ng  
RT: 10.798 min Scan# 1447  
Delta R.T. -0.006 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

Tgt Ion:330 Resp: 347416  
Ion Ratio Lower Upper  
330 100  
332 95.7 79.1 118.7  
141 33.7 26.2 39.4

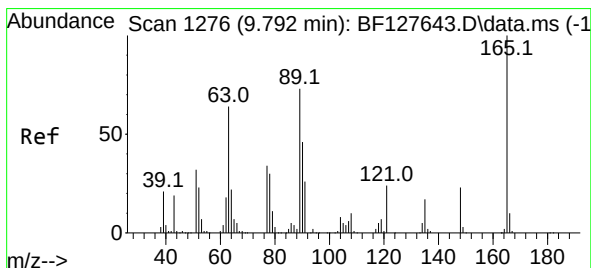
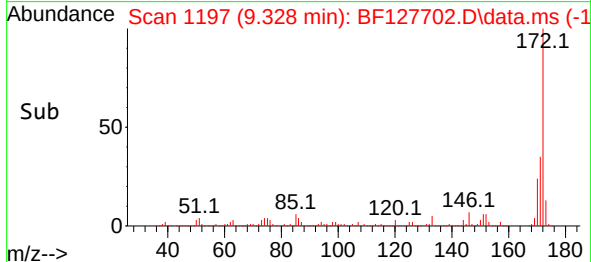
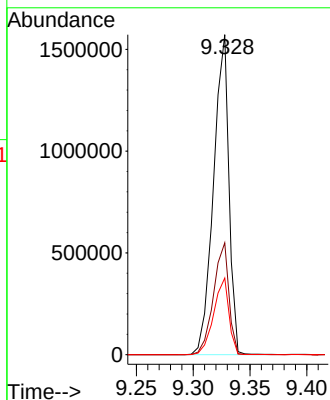
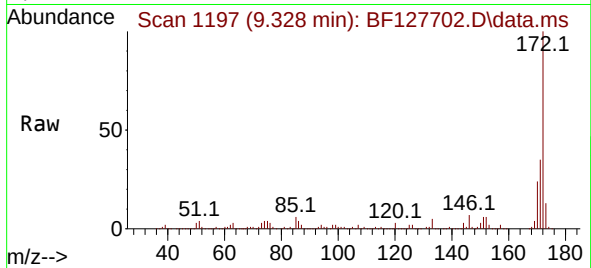




#45  
2-Fluorobiphenyl  
Concen: 75.449 ng  
RT: 9.328 min Scan# 1197  
Delta R.T. 0.000 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

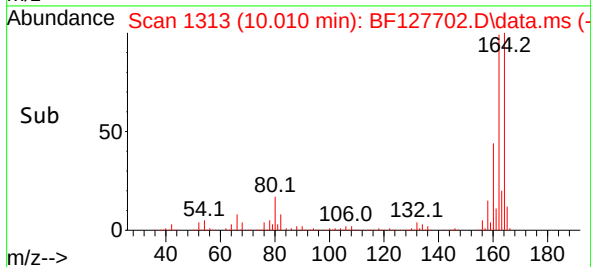
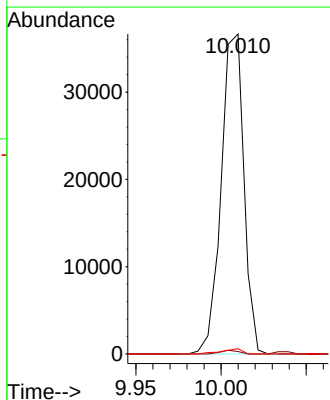
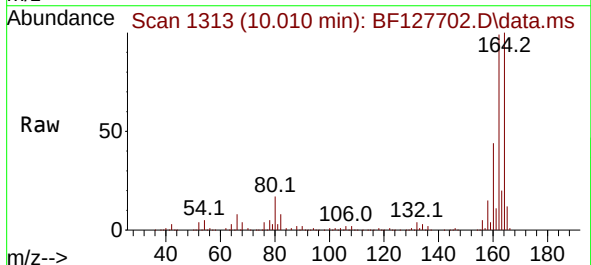
Instrument :  
BNA\_F  
ClientSampleId :  
LA-1

Tgt Ion:172 Resp: 1485051  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.4 42.6  
170 23.9 18.6 27.8

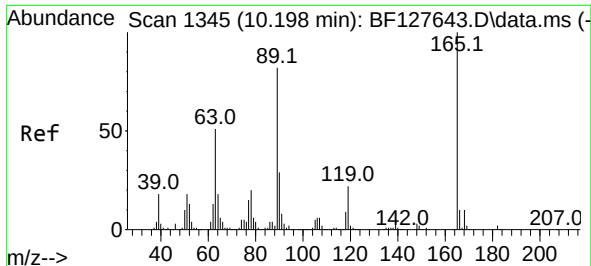


#51  
2,6-Dinitrotoluene  
Concen: 8.957 ng  
RT: 10.010 min Scan# 1313  
Delta R.T. 0.218 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

Tgt Ion:165 Resp: 34076  
Ion Ratio Lower Upper  
165 100  
63 0.7 58.3 87.5#  
89 1.7 51.5 77.3#



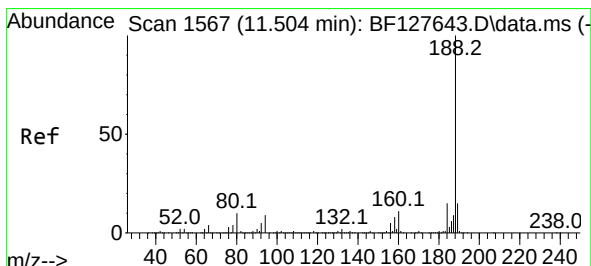
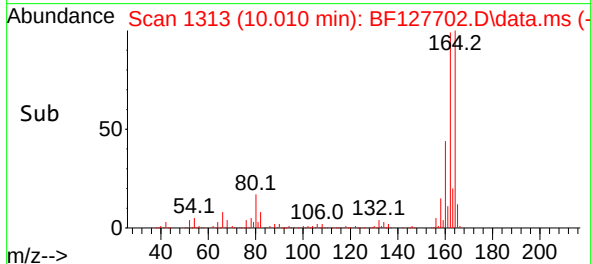
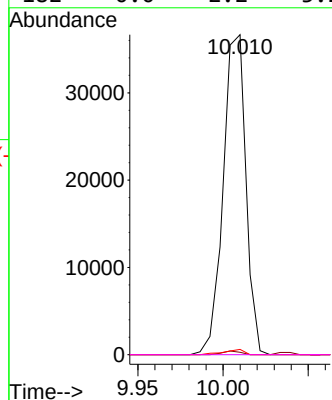
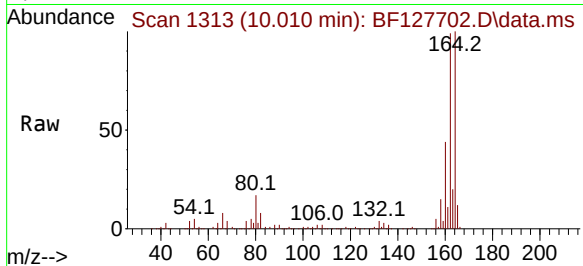




#57  
2,4-Dinitrotoluene  
Concen: 7.224 ng  
RT: 10.010 min Scan# 11  
Delta R.T. -0.188 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

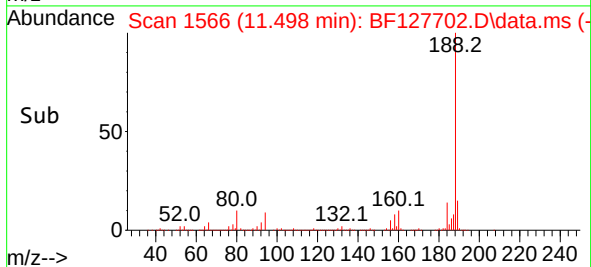
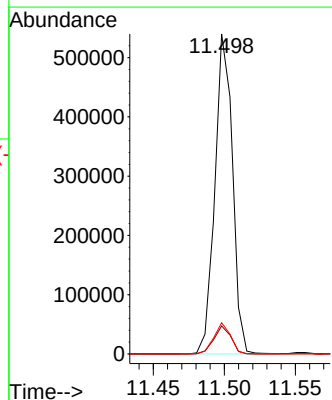
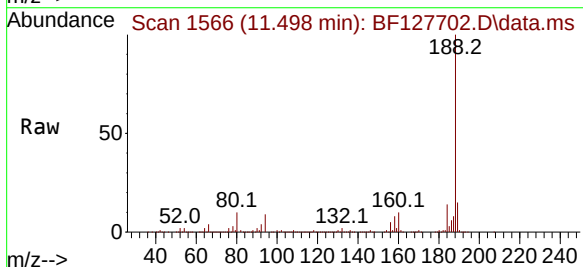
Instrument :  
BNA\_F  
ClientSampleId :  
LA-1

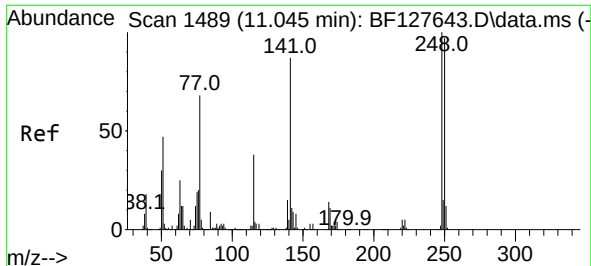
Tgt Ion:165 Resp: 34076  
Ion Ratio Lower Upper  
165 100  
63 0.7 53.1 79.7#  
89 1.7 69.2 103.8#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.498 min Scan# 1566  
Delta R.T. -0.006 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

Tgt Ion:188 Resp: 465281  
Ion Ratio Lower Upper  
188 100  
94 8.7 7.4 11.0  
80 9.7 8.0 12.0

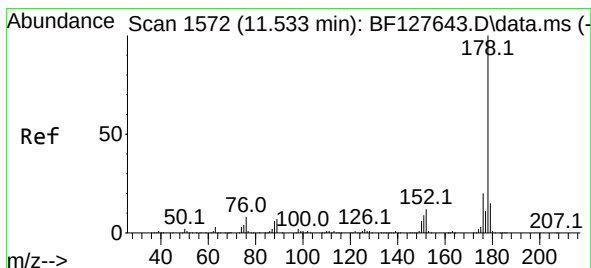
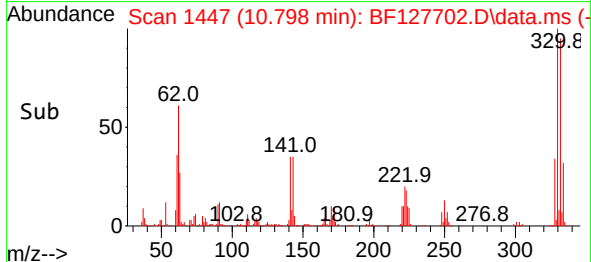
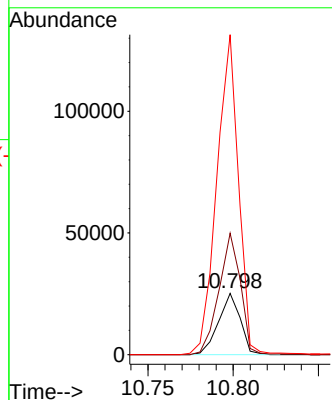
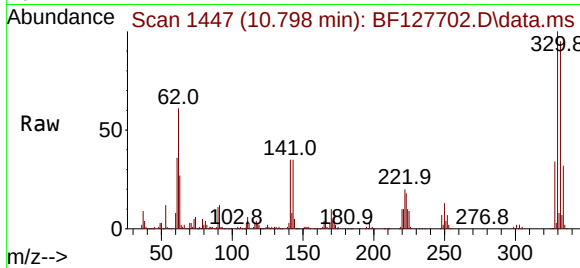




#67  
4-Bromophenyl-phenylether  
Concen: 3.967 ng  
RT: 10.798 min Scan# 14  
Delta R.T. -0.247 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

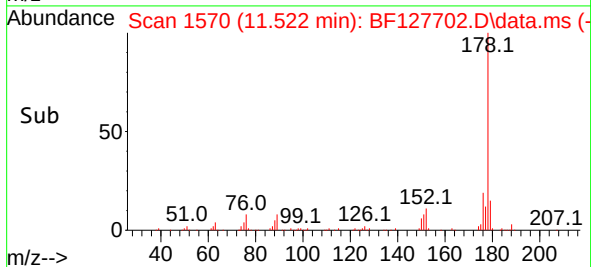
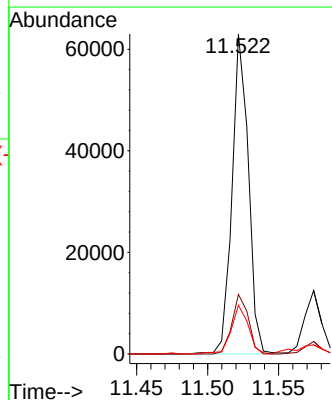
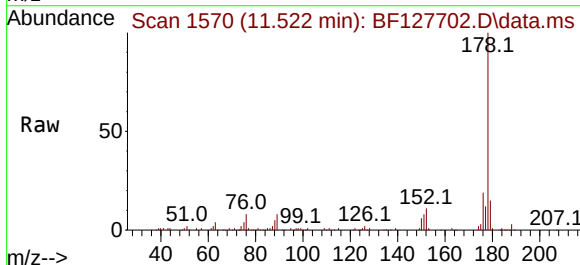
Instrument :  
BNA\_F  
ClientSampleId :  
LA-1

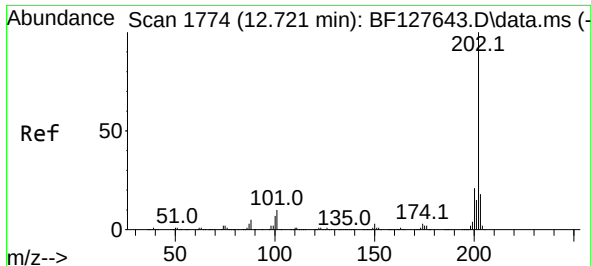
Tgt Ion:248 Resp: 22401  
Ion Ratio Lower Upper  
248 100  
250 198.0 76.6 115.0#  
141 522.0 52.2 78.2#



#71  
Phenanthrene  
Concen: 2.039 ng  
RT: 11.522 min Scan# 1570  
Delta R.T. -0.012 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

Tgt Ion:178 Resp: 50259  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.4 23.2  
179 15.2 12.4 18.6

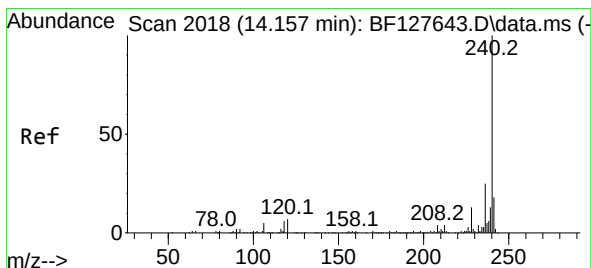
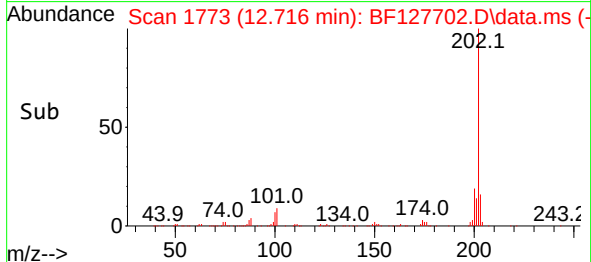
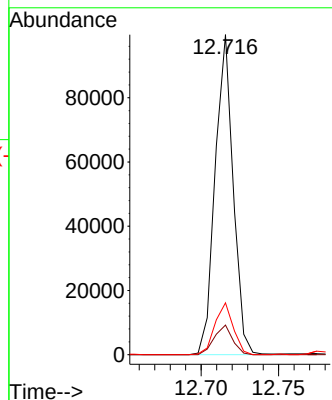
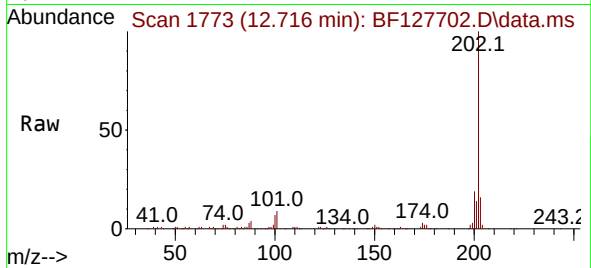




#75  
Fluoranthene  
Concen: 3.001 ng  
RT: 12.716 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

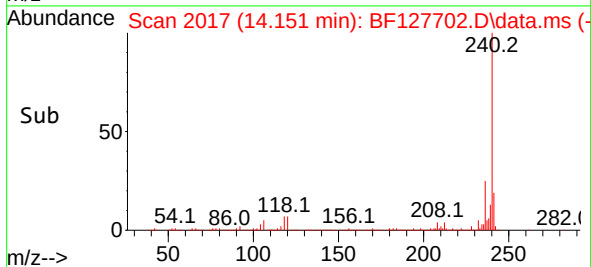
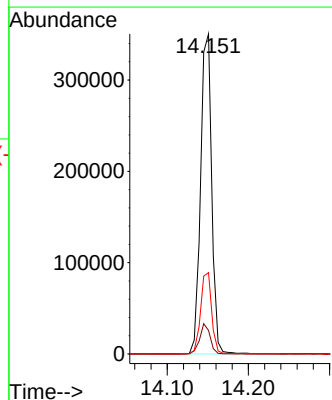
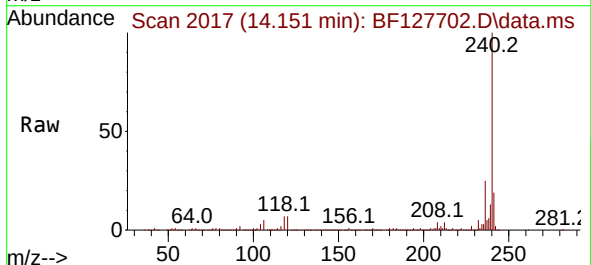
Instrument :  
BNA\_F  
ClientSampleId :  
LA-1

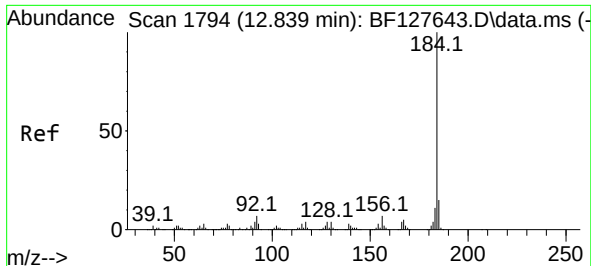
Tgt Ion:202 Resp: 80743  
Ion Ratio Lower Upper  
202 100  
101 9.3 0.0 29.0  
203 16.2 0.0 37.7



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.151 min Scan# 2017  
Delta R.T. -0.006 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

Tgt Ion:240 Resp: 334833  
Ion Ratio Lower Upper  
240 100  
120 7.3 7.1 10.7  
236 25.4 20.7 31.1

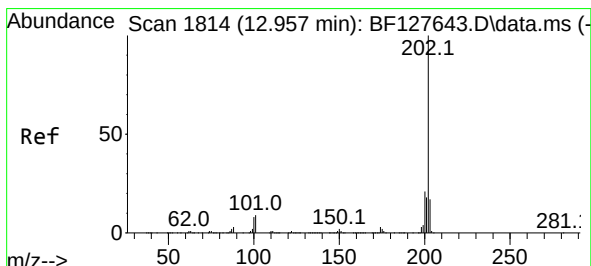
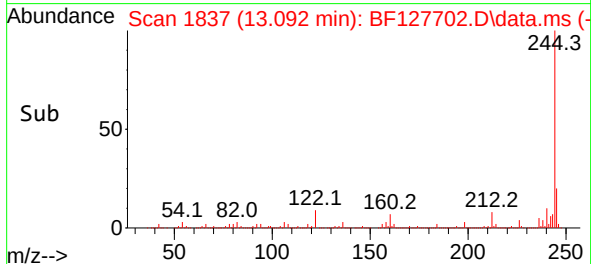
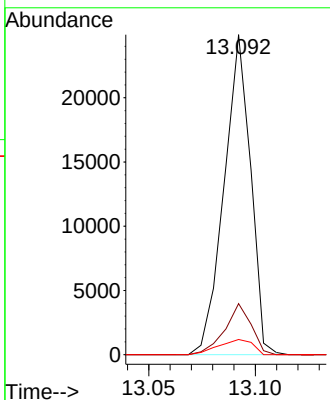
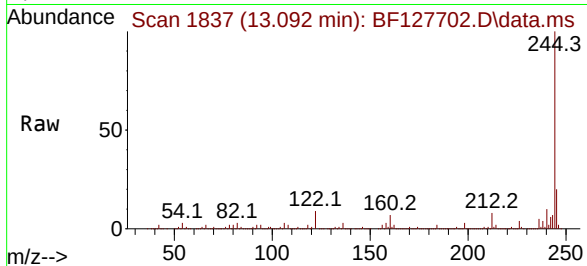




#77  
Benzidine  
Concen: 2.462 ng  
RT: 13.092 min Scan# 1837  
Delta R.T. 0.253 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

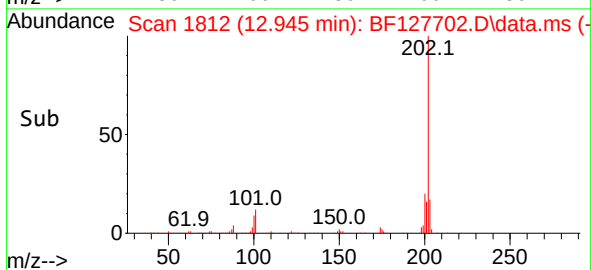
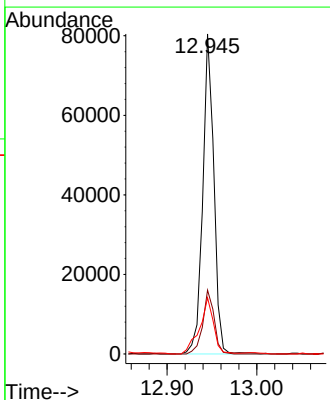
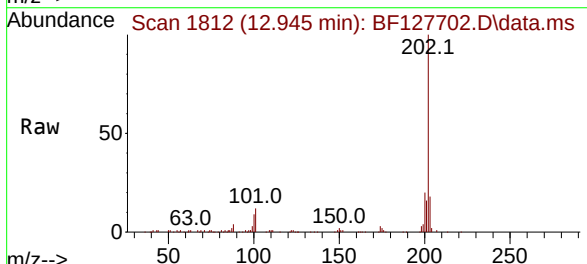
Instrument :  
BNA\_F  
ClientSampleId :  
LA-1

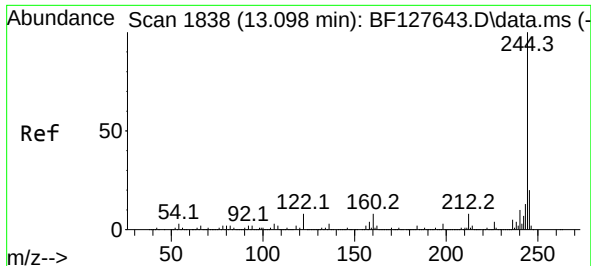
Tgt Ion:184 Resp: 21512  
Ion Ratio Lower Upper  
184 100  
185 15.9 12.2 18.2  
183 4.8 9.4 14.0#



#78  
Pyrene  
Concen: 2.450 ng  
RT: 12.945 min Scan# 1812  
Delta R.T. -0.012 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

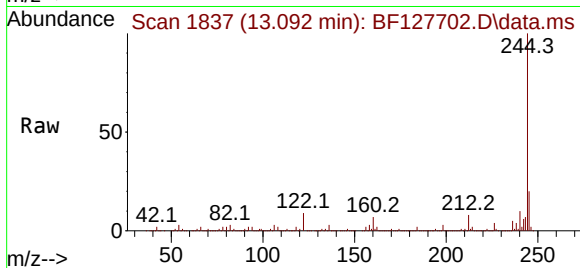
Tgt Ion:202 Resp: 69262  
Ion Ratio Lower Upper  
202 100  
200 20.0 17.1 25.7  
203 17.5 14.3 21.5





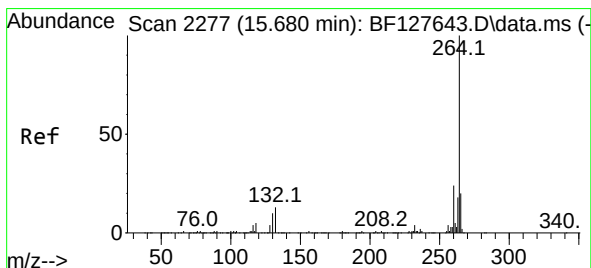
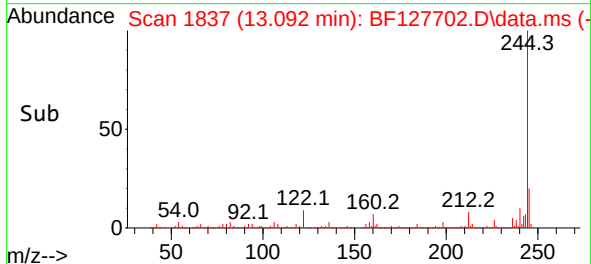
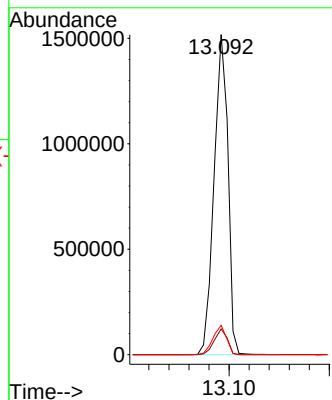
#79  
 Terphenyl-d14  
 Concen: 71.684 ng  
 RT: 13.092 min Scan# 1837  
 Delta R.T. -0.006 min  
 Lab File: BF127702.D  
 Acq: 08 Apr 2022 00:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LA-1



Tgt Ion:244 Resp: 1454153  

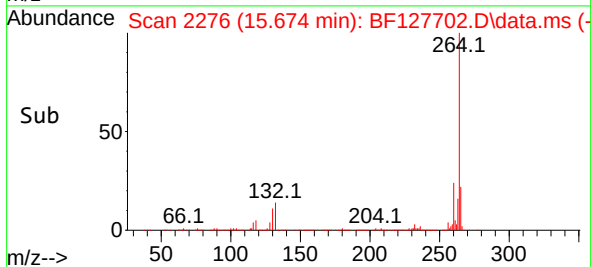
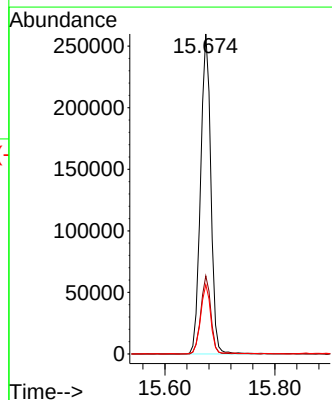
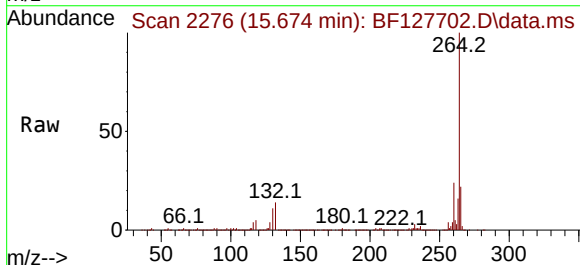
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.0   | 5.7   | 8.5   |
| 122 | 9.1   | 6.2   | 9.2   |

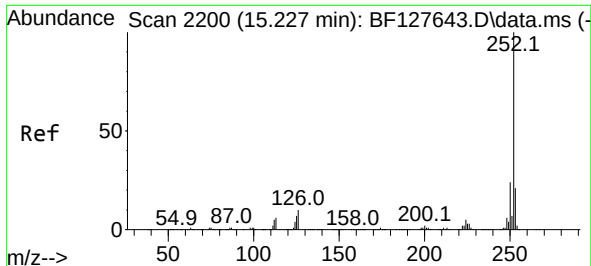


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.674 min Scan# 2276  
 Delta R.T. -0.006 min  
 Lab File: BF127702.D  
 Acq: 08 Apr 2022 00:22

Tgt Ion:264 Resp: 338027  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.4  | 19.1  | 28.7  |
| 265 | 21.6  | 17.4  | 26.2  |

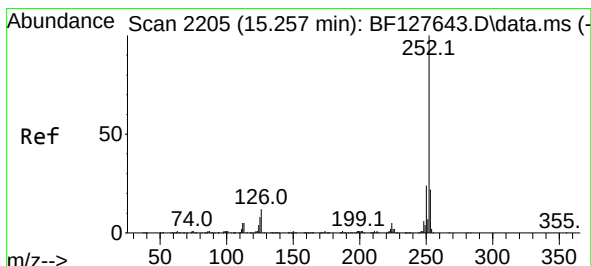
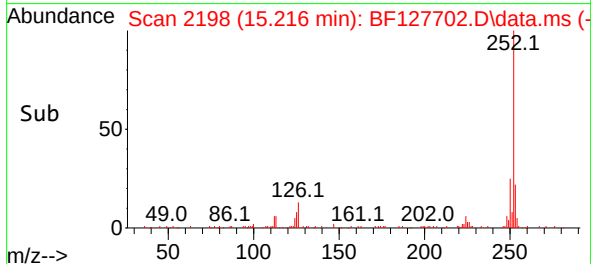
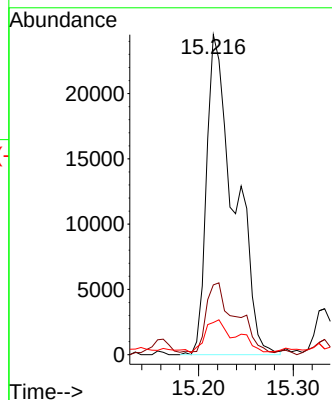
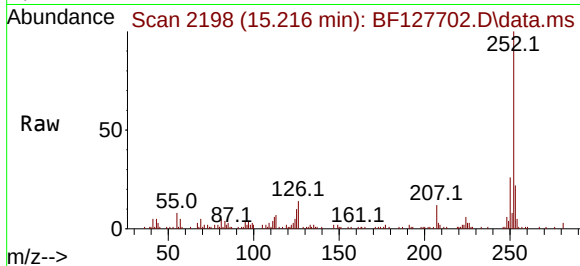




#88  
Benzo(b)fluoranthene  
Concen: 2.296 ng  
RT: 15.216 min Scan# 2198  
Delta R.T. -0.012 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

Instrument :  
BNA\_F  
ClientSampleId :  
LA-1

Tgt Ion:252 Resp: 49938  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.9 26.9  
125 10.0 7.0 10.4



#89  
Benzo(k)fluoranthene  
Concen: 2.315 ng  
RT: 15.216 min Scan# 2198  
Delta R.T. -0.041 min  
Lab File: BF127702.D  
Acq: 08 Apr 2022 00:22

Tgt Ion:252 Resp: 49938  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.3 25.9  
125 10.0 6.9 10.3

