

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071822\  
 Data File : BF129265.D  
 Acq On : 18 Jul 2022 11:32  
 Operator : CG\JU  
 Sample : N3730-04DL 2X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02-COMPDL

Quant Time: Jul 19 02:07:43 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF071522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 15 12:55:49 2022  
 Response via : Initial Calibration

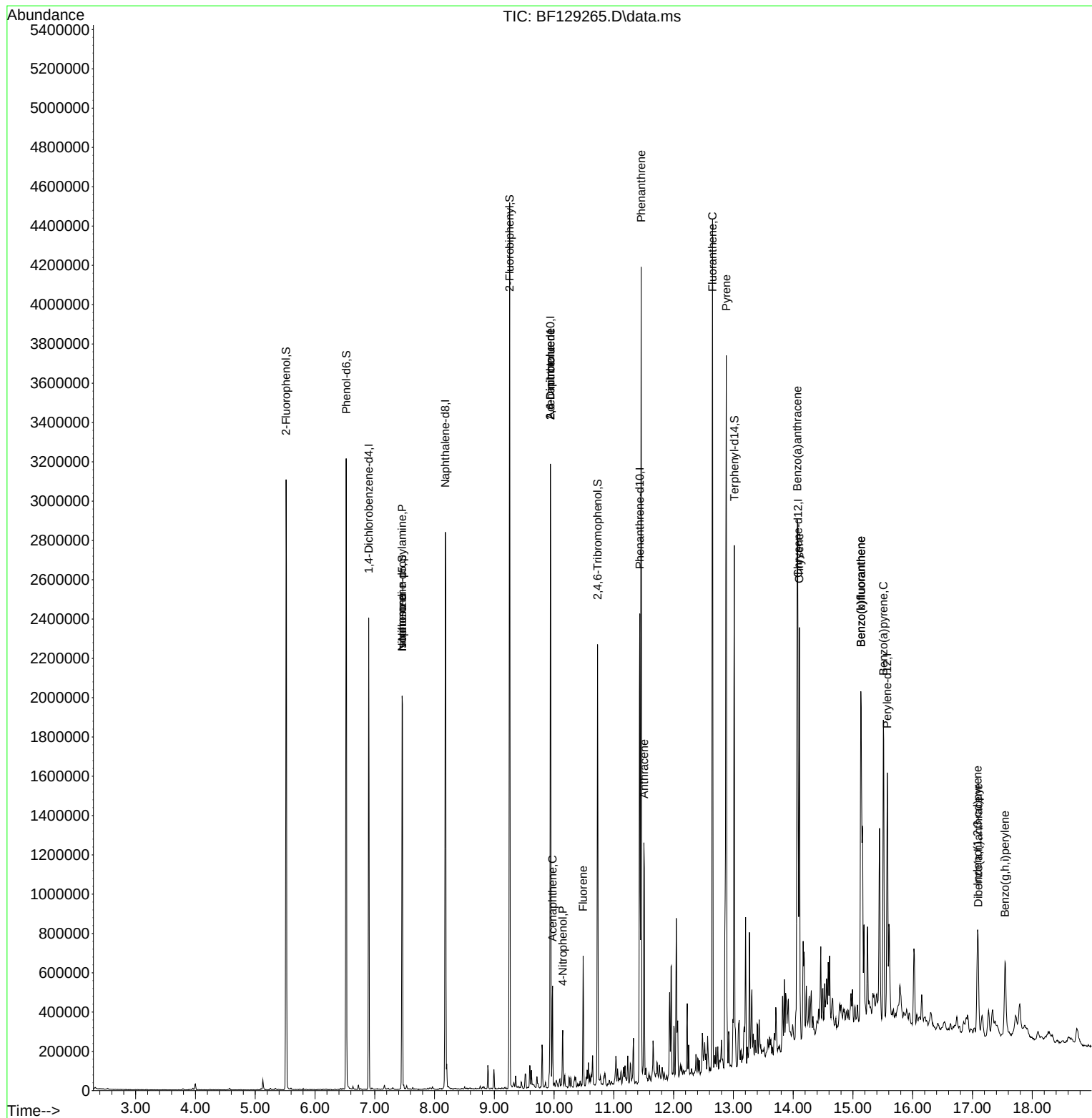
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.898  | 152  | 327855   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.181  | 136  | 1297872  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.939  | 164  | 637666   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.433 | 188  | 862129   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.080 | 240  | 512110   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.574 | 264  | 543037   | 20.000 | ng    | 0.01     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 830514   | 40.456 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.522  | 99   | 1078019  | 40.602 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 675971   | 27.841 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.728 | 330  | 214156   | 36.183 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.257  | 172  | 1268718  | 33.708 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.016 | 244  | 809087   | 29.555 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.457  | 70   | 89325    | 5.720  | ng    | # 77     |
| 25) Isophorone                | 7.457  | 82   | 675955   | 16.565 | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.939  | 165  | 86942    | 9.710  | ng    | # 26     |
| 52) Acenaphthene              | 9.975  | 154  | 97635    | 2.794  | ng    | 99       |
| 56) 4-Nitrophenol             | 10.145 | 139  | 36377    | 4.298  | ng    | # 9      |
| 57) 2,4-Dinitrotoluene        | 9.939  | 165  | 86942    | 7.404  | ng    | # 21     |
| 58) Fluorene                  | 10.486 | 166  | 162390   | 4.303  | ng    | 99       |
| 71) Phenanthrene              | 11.457 | 178  | 1400674  | 32.000 | ng    | 99       |
| 72) Anthracene                | 11.504 | 178  | 458685   | 10.549 | ng    | 99       |
| 75) Fluoranthene              | 12.651 | 202  | 1641408  | 37.653 | ng    | 98       |
| 78) Pyrene                    | 12.880 | 202  | 1421487  | 34.270 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.069 | 228  | 853720   | 26.429 | ng    | 96       |
| 83) Chrysene                  | 14.104 | 228  | 697609   | 22.626 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.086 | 276  | 358737   | 10.594 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.133 | 252  | 1357321  | 40.686 | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 15.133 | 252  | 1357321  | 41.644 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.510 | 252  | 728249   | 26.815 | ng    | # 95     |
| 91) Dibenzo(a,h)anthracene    | 17.098 | 278  | 91791    | 3.351  | ng    | # 91     |
| 92) Benzo(g,h,i)perylene      | 17.545 | 276  | 315131   | 11.255 | ng    | 97       |
| -----                         |        |      |          |        |       |          |

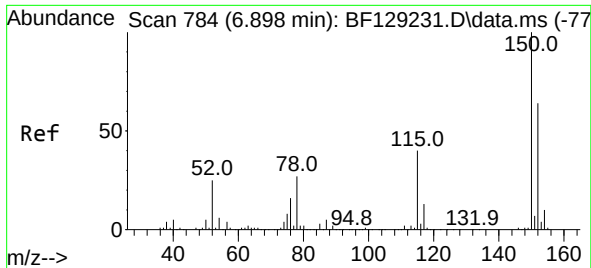
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 19 02:07:43 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF071522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 15 12:55:49 2022  
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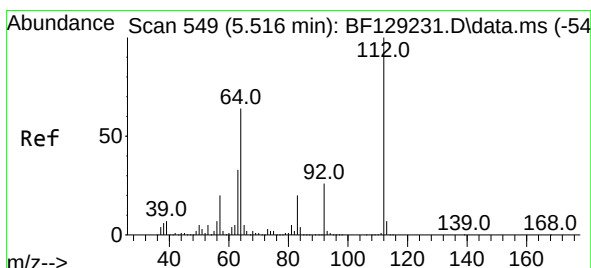
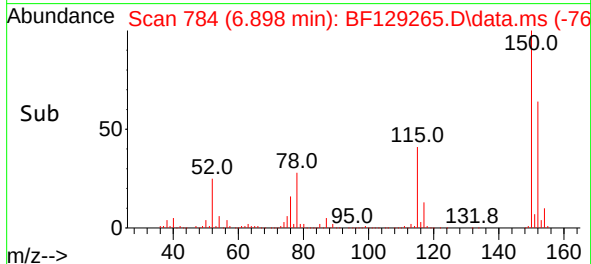
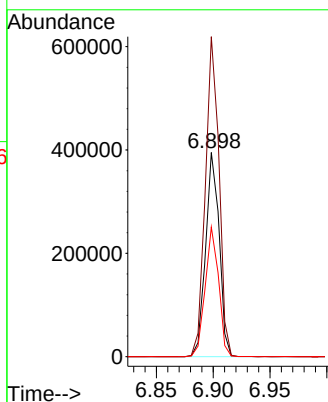
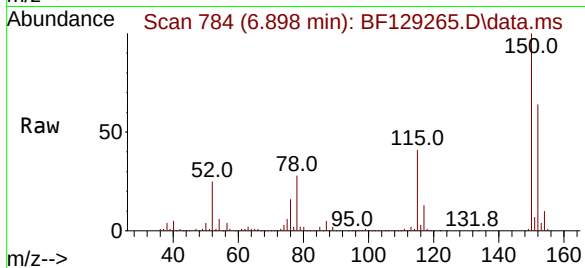




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.898 min Scan# 784  
 Delta R.T. 0.000 min  
 Lab File: BF129265.D  
 Acq: 18 Jul 2022 11:32

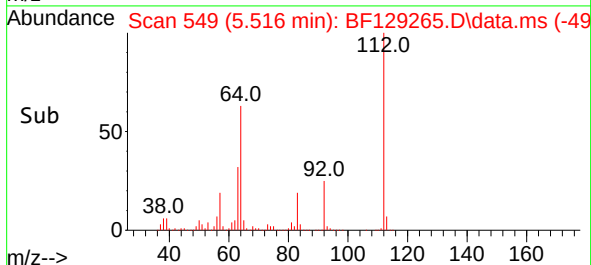
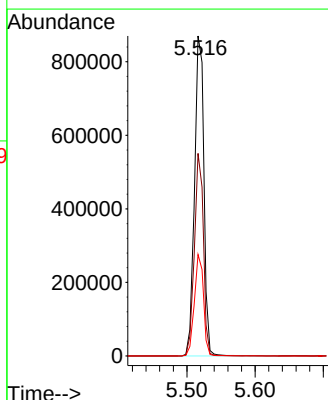
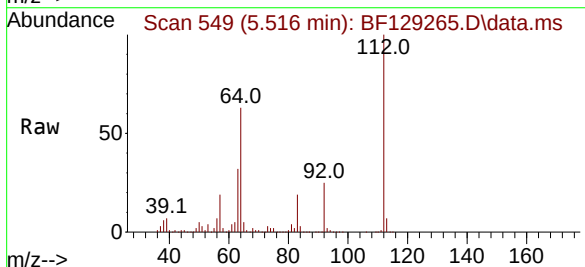
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02-COMPDL

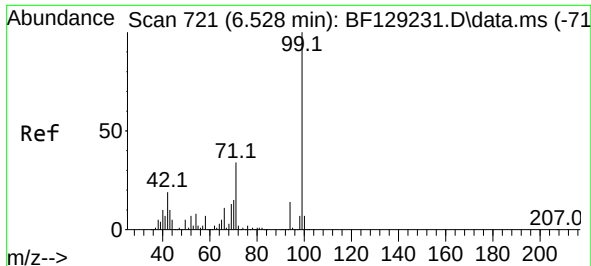
Tgt Ion:152 Resp: 327855  
 Ion Ratio Lower Upper  
 152 100  
 150 156.7 123.7 185.5  
 115 63.5 49.9 74.9



#5  
 2-Fluorophenol  
 Concen: 40.456 ng  
 RT: 5.516 min Scan# 549  
 Delta R.T. 0.000 min  
 Lab File: BF129265.D  
 Acq: 18 Jul 2022 11:32

Tgt Ion:112 Resp: 830514  
 Ion Ratio Lower Upper  
 112 100  
 64 63.3 53.3 79.9  
 63 31.7 28.0 42.0

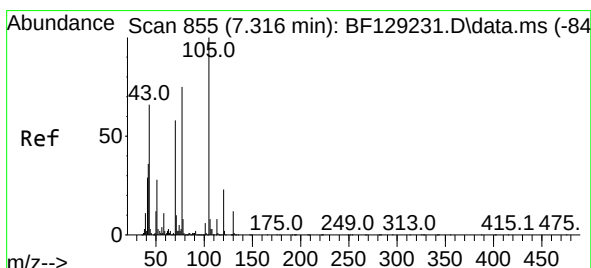
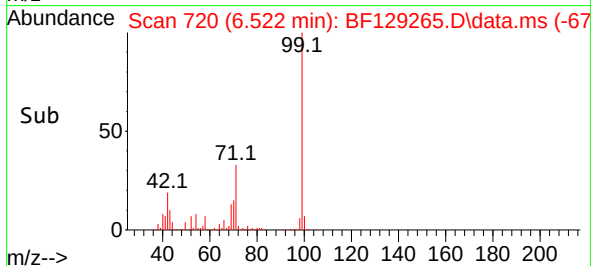
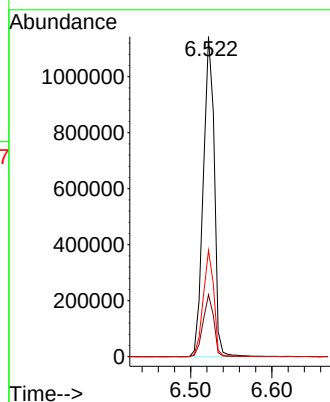
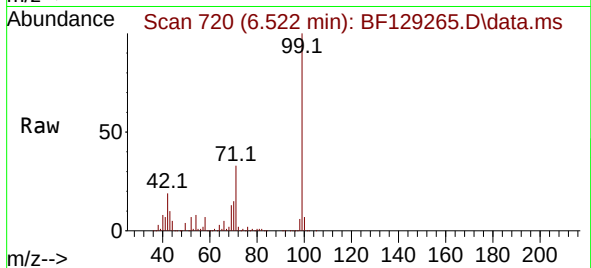




#7  
Phenol-d6  
Concen: 40.602 ng  
RT: 6.522 min Scan# 719  
Delta R.T. -0.006 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

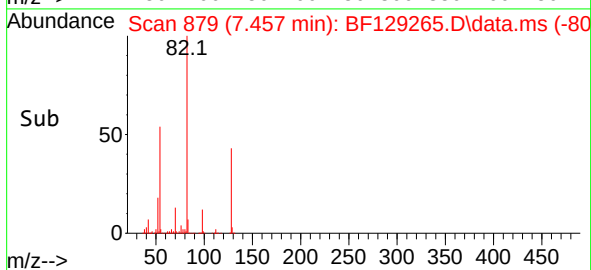
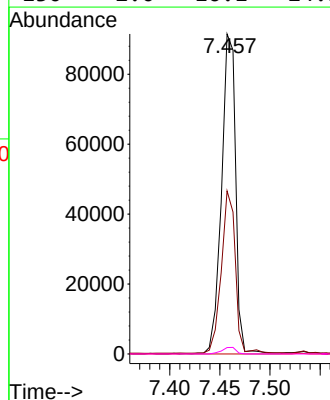
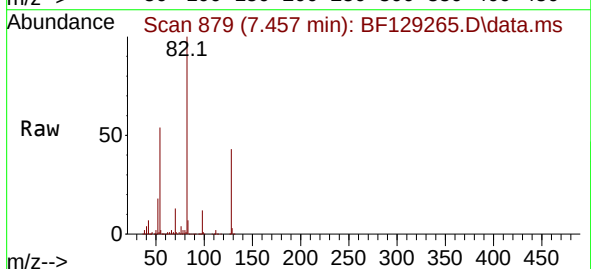
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02-COMPD

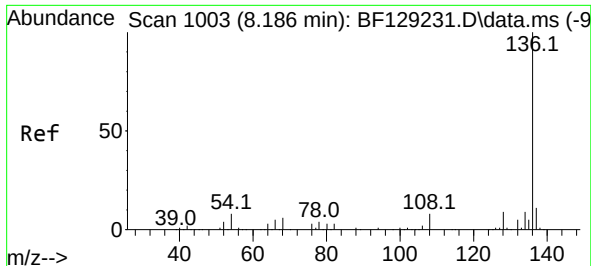
Tgt Ion: 99 Resp: 1078019  
Ion Ratio Lower Upper  
99 100  
42 19.4 17.3 25.9  
71 33.3 28.9 43.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 5.720 ng  
RT: 7.457 min Scan# 879  
Delta R.T. 0.141 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

Tgt Ion: 70 Resp: 89325  
Ion Ratio Lower Upper  
70 100  
42 51.0 52.3 78.5#  
101 0.0 7.5 11.3#  
130 2.0 16.1 24.1#

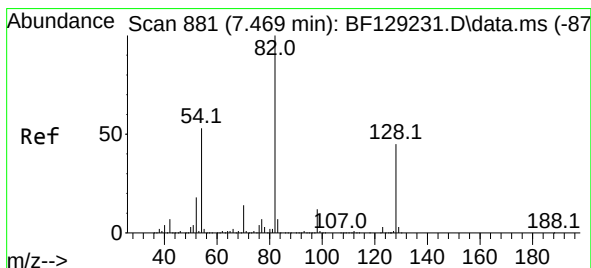
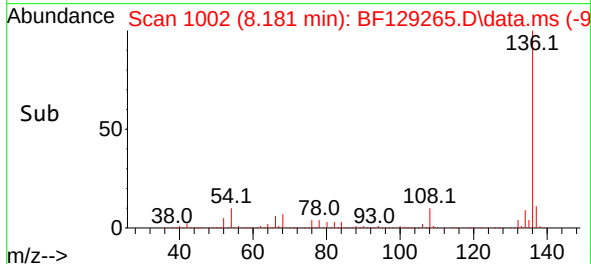
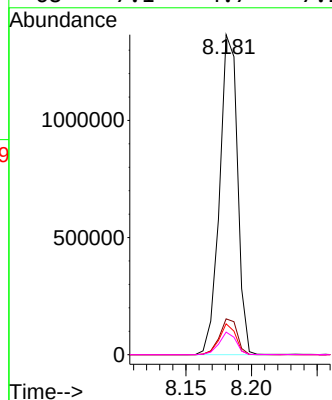
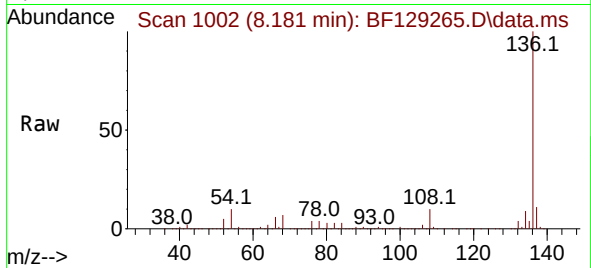




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.181 min Scan# 1003  
Delta R.T. -0.006 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

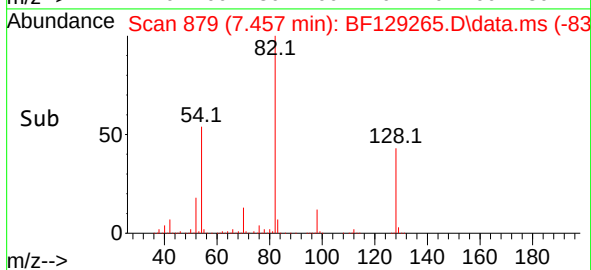
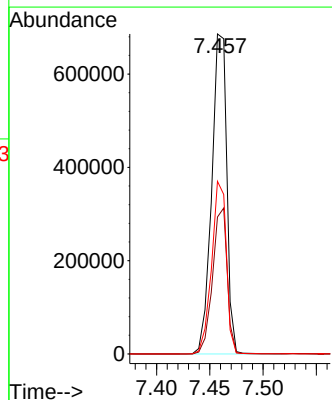
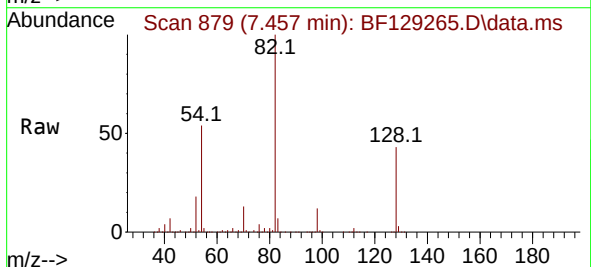
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BNA\_F  
ClientSampleId :  
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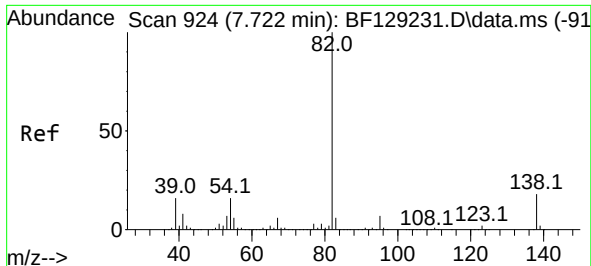
Tgt Ion:136 Resp: 1297872  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 9.6 7.5 11.3  
68 7.1 4.7 7.1



#23  
Nitrobenzene-d5  
Concen: 27.841 ng  
RT: 7.457 min Scan# 879  
Delta R.T. -0.012 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

Tgt Ion: 82 Resp: 675971  
Ion Ratio Lower Upper  
82 100  
128 42.8 34.0 51.0  
54 53.9 46.9 70.3

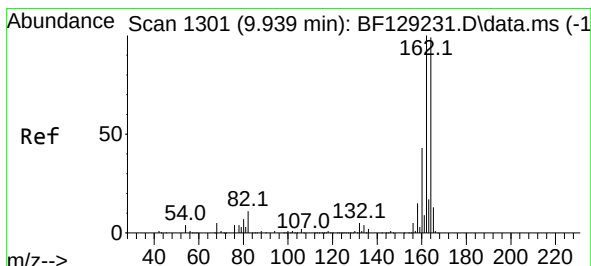
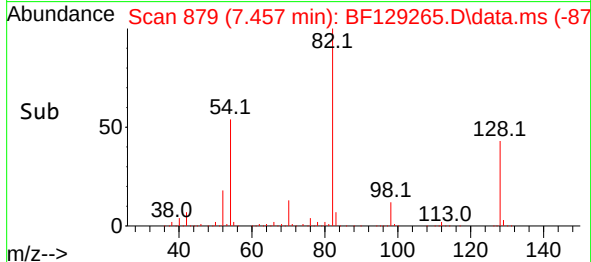
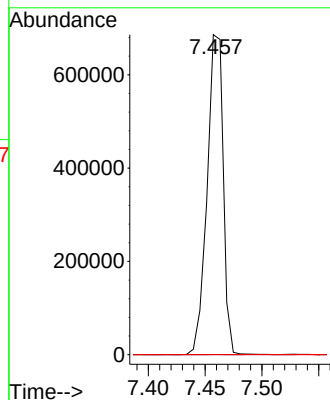
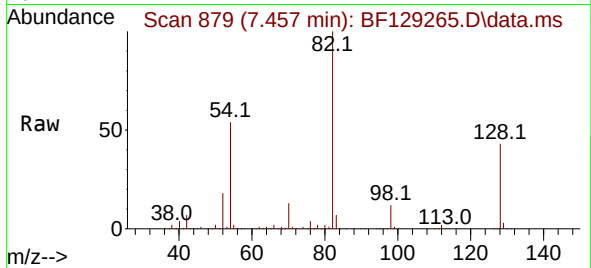




#25  
Isophorone  
Concen: 16.565 ng  
RT: 7.457 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

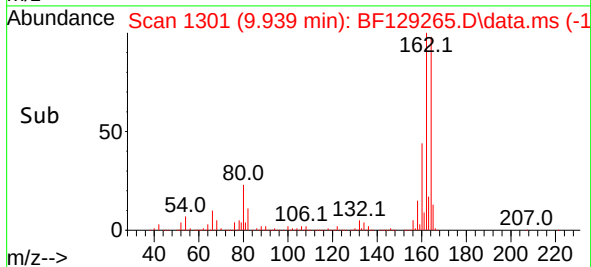
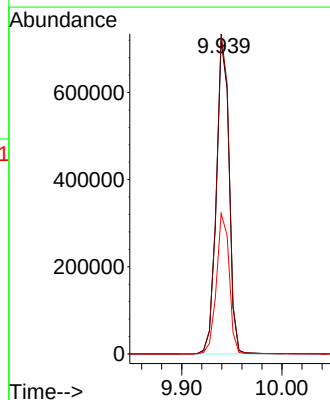
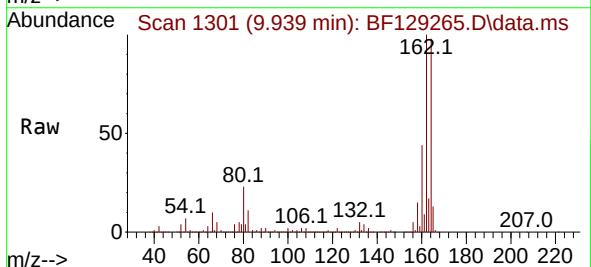
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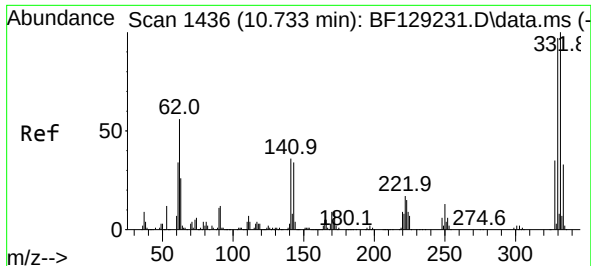
Tgt Ion: 82 Resp: 675955  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.939 min Scan# 1301  
Delta R.T. 0.000 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

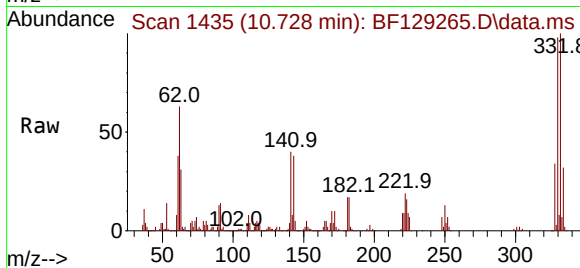
Tgt Ion:164 Resp: 637666  
Ion Ratio Lower Upper  
164 100  
162 102.0 79.5 119.3  
160 44.7 34.2 51.4



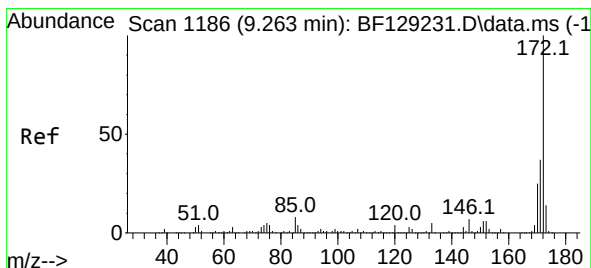
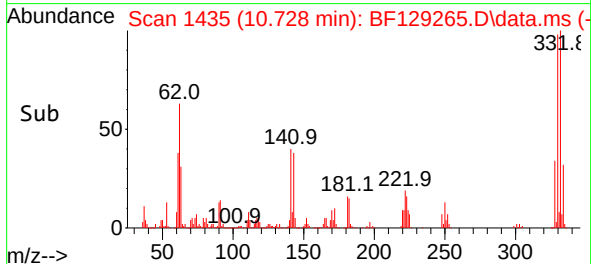
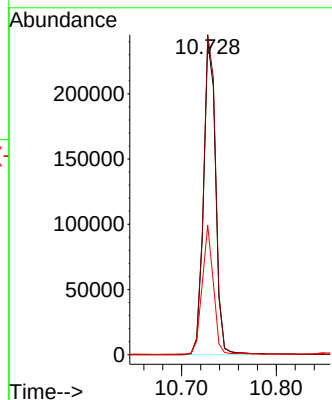


#42  
2,4,6-Tribromophenol  
Concen: 36.183 ng  
RT: 10.728 min Scan# 1435  
Delta R.T. -0.006 min  
Lab File: BF129265.D  
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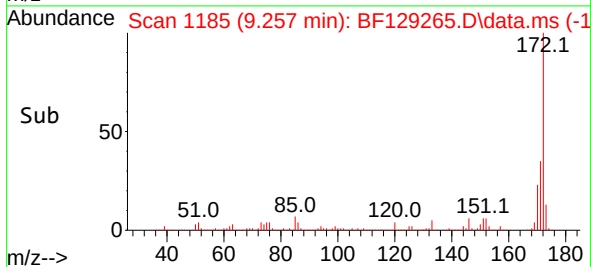
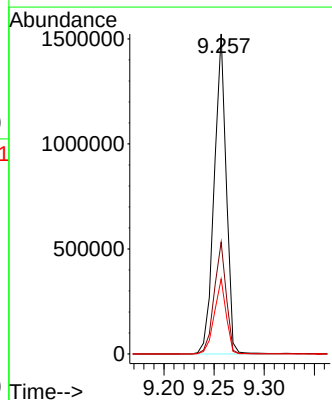
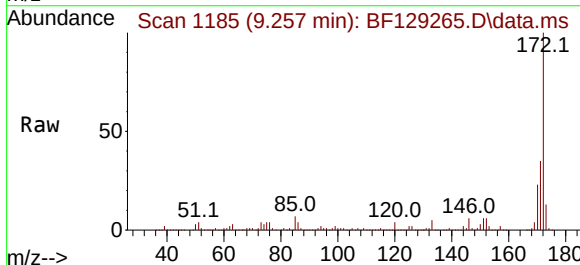


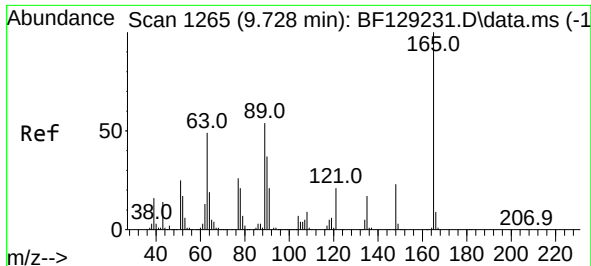
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Ion Ratio Lower Upper  
330 100  
332 103.0 76.8 115.2  
141 38.7 28.0 42.0



#45  
2-Fluorobiphenyl  
Concen: 33.708 ng  
RT: 9.257 min Scan# 1185  
Delta R.T. -0.006 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

Tgt Ion:172 Resp: 1268718  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.8 43.2  
170 23.5 19.8 29.8

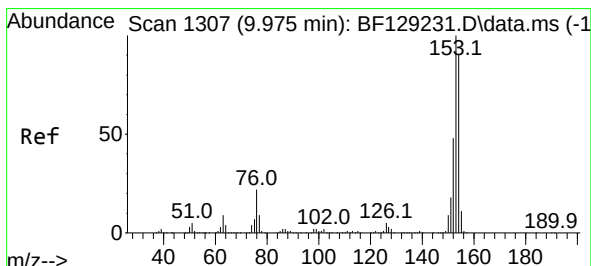
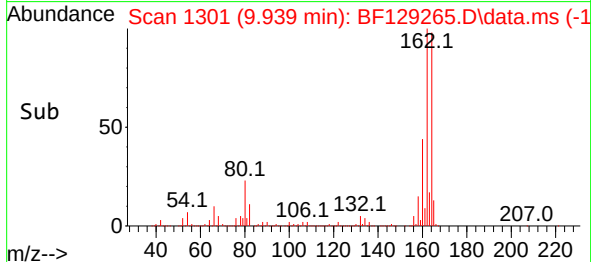
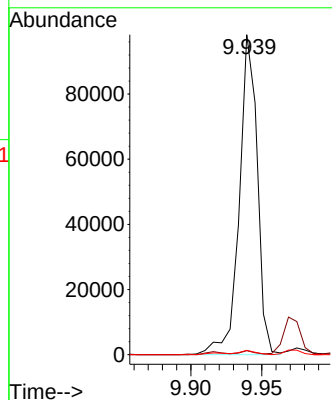
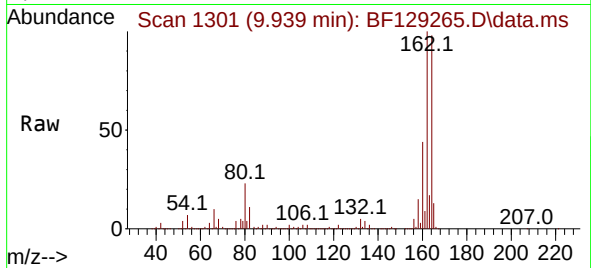




#51  
2,6-Dinitrotoluene  
Concen: 9.710 ng  
RT: 9.939 min Scan# 11  
Delta R.T. 0.212 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

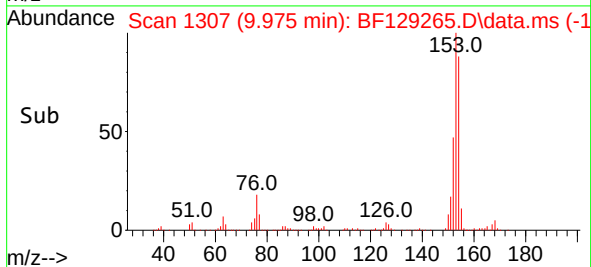
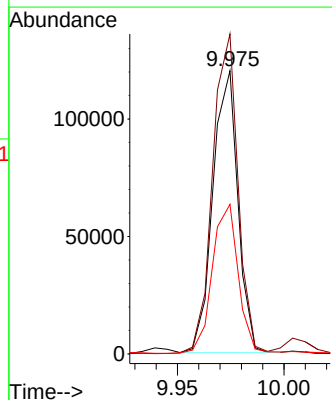
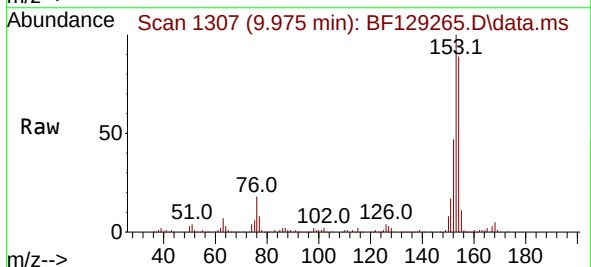
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02-COMPDL

Tgt Ion:165 Resp: 86942  
Ion Ratio Lower Upper  
165 100  
63 1.3 44.9 67.3#  
89 1.4 43.6 65.4#

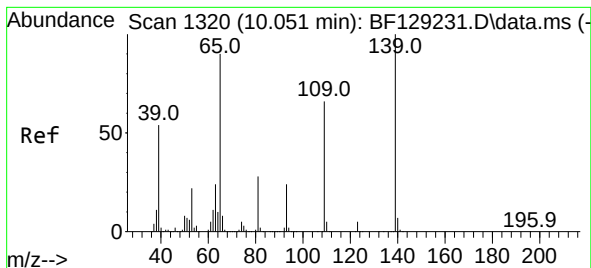


#52  
Acenaphthene  
Concen: 2.794 ng  
RT: 9.975 min Scan# 1307  
Delta R.T. 0.000 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

Tgt Ion:154 Resp: 97635  
Ion Ratio Lower Upper  
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153 113.0 89.6 134.4  
152 52.8 42.4 63.6



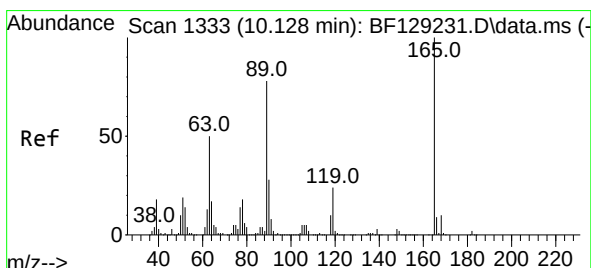
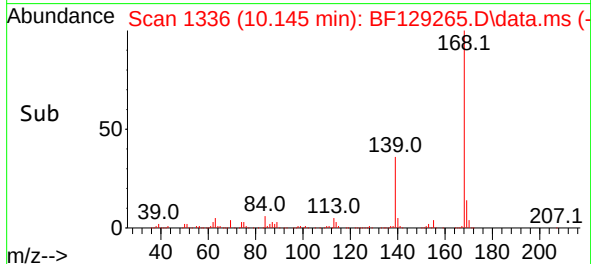
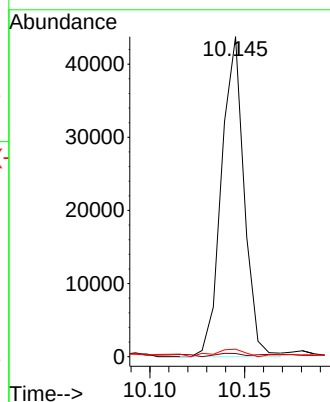
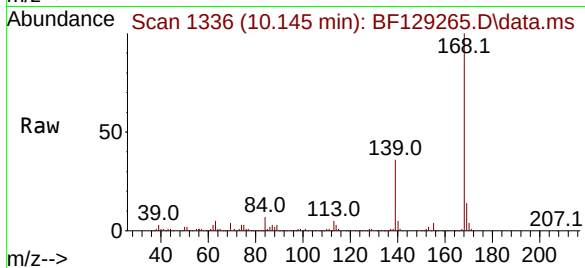




#56  
4-Nitrophenol  
Concen: 4.298 ng  
RT: 10.145 min Scan# 11  
Delta R.T. 0.094 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

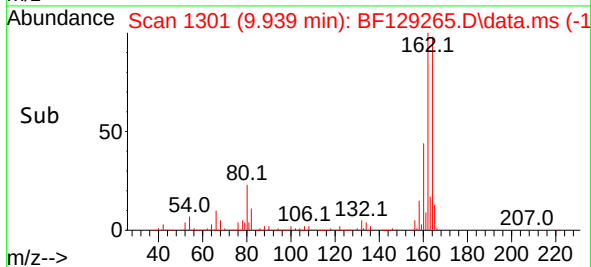
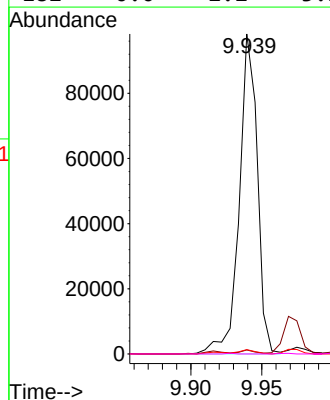
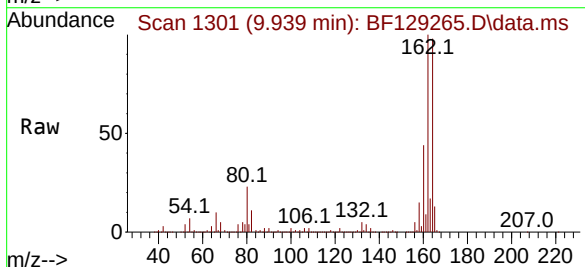
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02-COMPDL

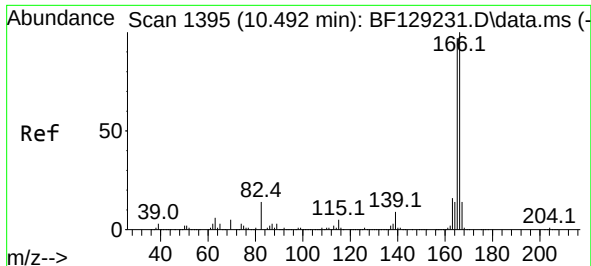
Tgt Ion:139 Resp: 36377  
Ion Ratio Lower Upper  
139 100  
109 1.0 50.7 90.7#  
65 2.3 74.5 114.5#



#57  
2,4-Dinitrotoluene  
Concen: 7.404 ng  
RT: 9.939 min Scan# 1301  
Delta R.T. -0.188 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

Tgt Ion:165 Resp: 86942  
Ion Ratio Lower Upper  
165 100  
63 1.3 39.8 59.6#  
89 1.4 60.2 90.2#  
182 0.0 2.2 3.2#

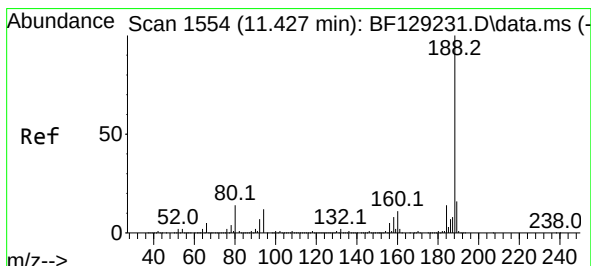
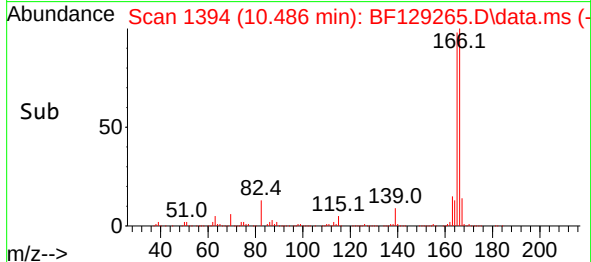
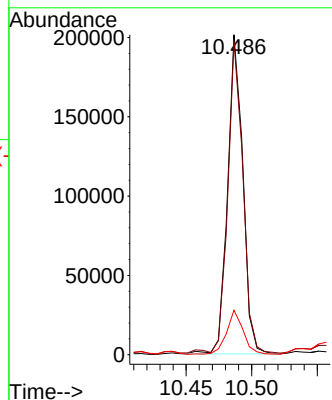
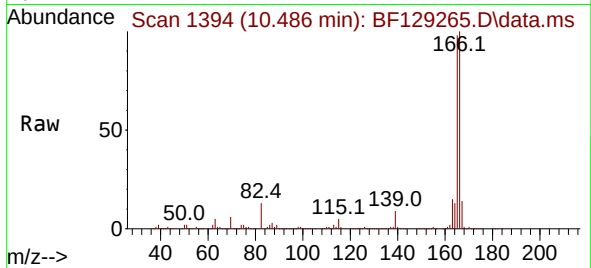




#58  
 Fluorene  
 Concen: 4.303 ng  
 RT: 10.486 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF129265.D  
 Acq: 18 Jul 2022 11:32

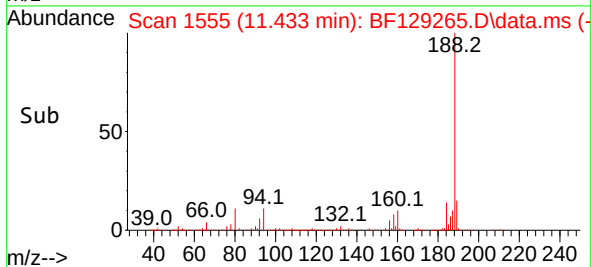
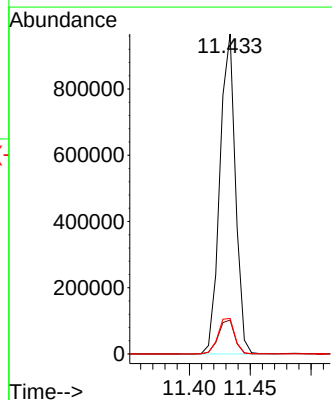
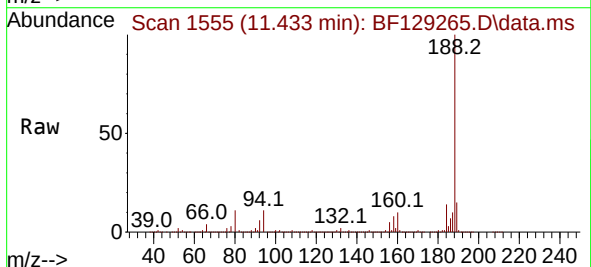
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02-COMPDL

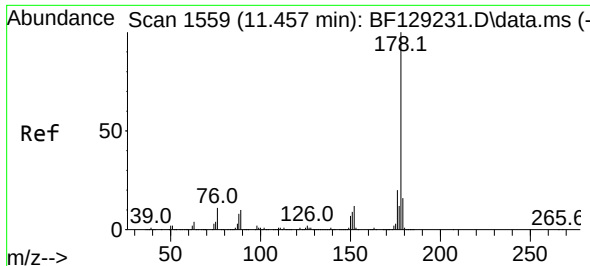
Tgt Ion:166 Resp: 162390  
 Ion Ratio Lower Upper  
 166 100  
 165 98.0 78.1 117.1  
 167 13.9 10.5 15.7



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.433 min Scan# 1555  
 Delta R.T. 0.006 min  
 Lab File: BF129265.D  
 Acq: 18 Jul 2022 11:32

Tgt Ion:188 Resp: 862129  
 Ion Ratio Lower Upper  
 188 100  
 94 10.6 7.0 10.6#  
 80 11.1 7.6 11.4

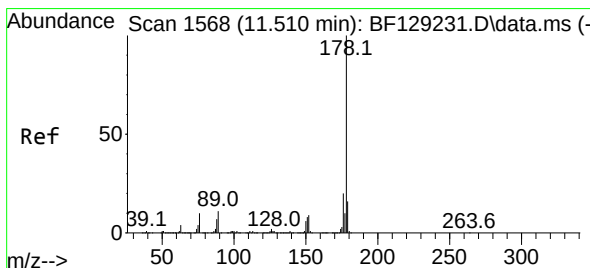
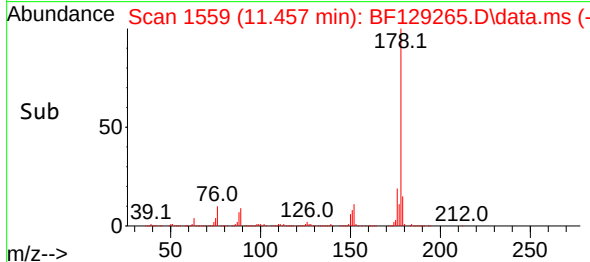
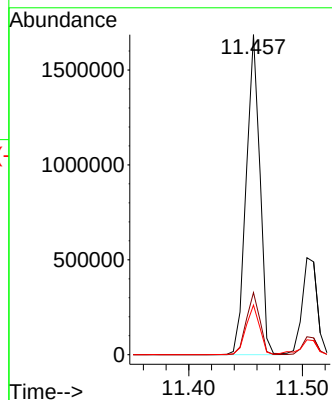
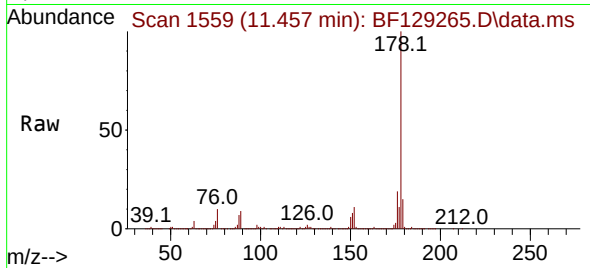




#71  
Phenanthrene  
Concen: 32.000 ng  
RT: 11.457 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

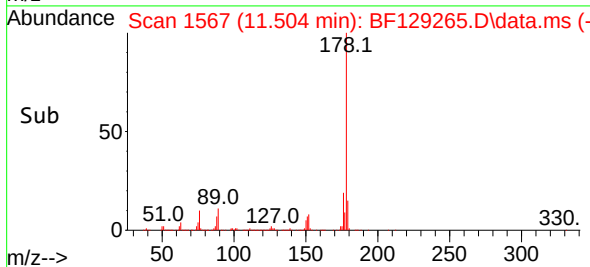
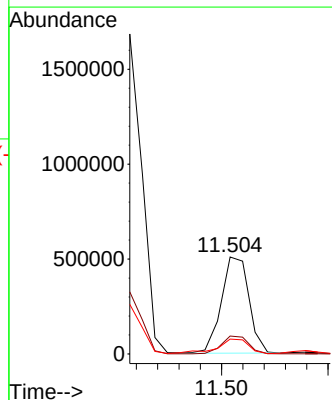
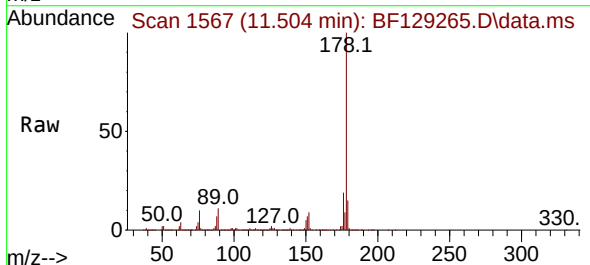
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02-COMPDL

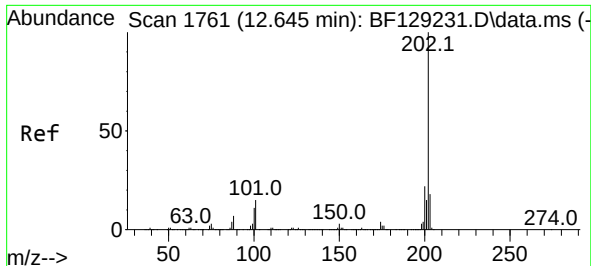
Tgt Ion:178 Resp: 1400674  
Ion Ratio Lower Upper  
178 100  
176 19.4 16.0 24.0  
179 15.5 12.6 19.0



#72  
Anthracene  
Concen: 10.549 ng  
RT: 11.504 min Scan# 1567  
Delta R.T. -0.006 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

Tgt Ion:178 Resp: 458685  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.4 23.2  
179 15.4 12.6 19.0

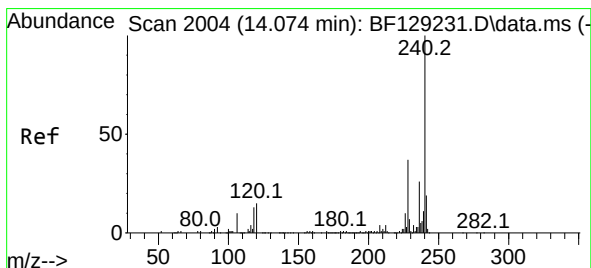
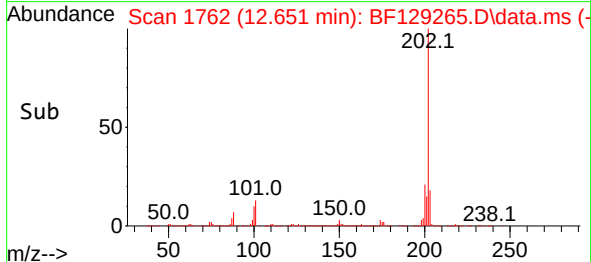
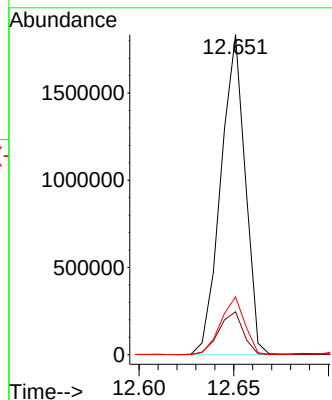
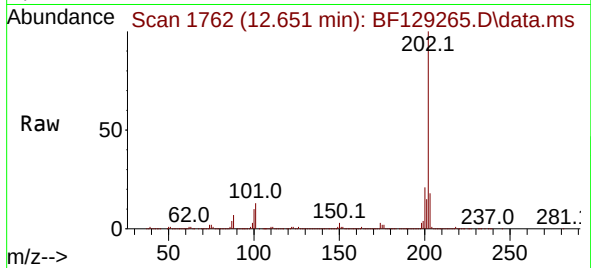




#75  
Fluoranthene  
Concen: 37.653 ng  
RT: 12.651 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

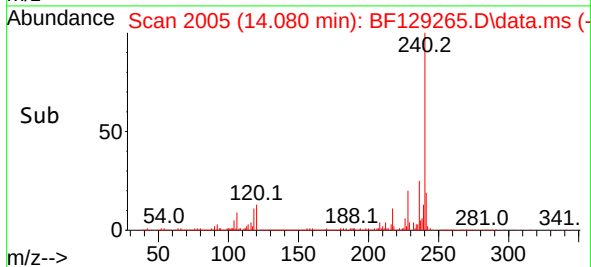
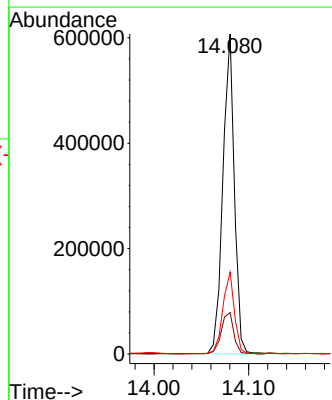
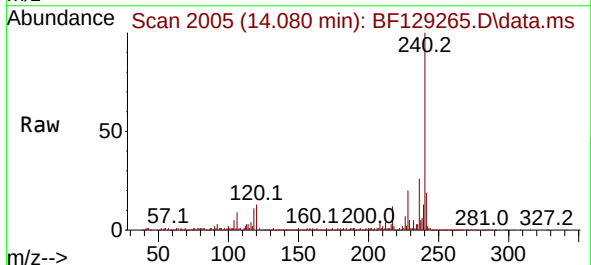
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02-COMPDL

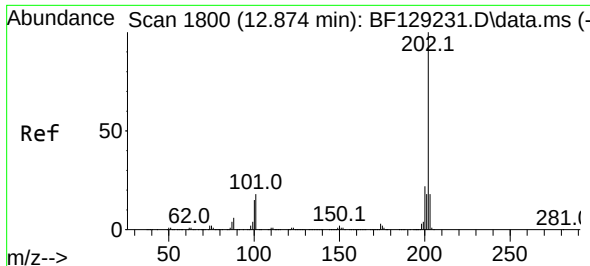
Tgt Ion:202 Resp: 1641408  
Ion Ratio Lower Upper  
202 100  
101 13.4 0.0 31.4  
203 18.0 0.0 38.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.080 min Scan# 2005  
Delta R.T. 0.006 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

Tgt Ion:240 Resp: 512110  
Ion Ratio Lower Upper  
240 100  
120 12.9 8.9 13.3  
236 25.6 20.8 31.2

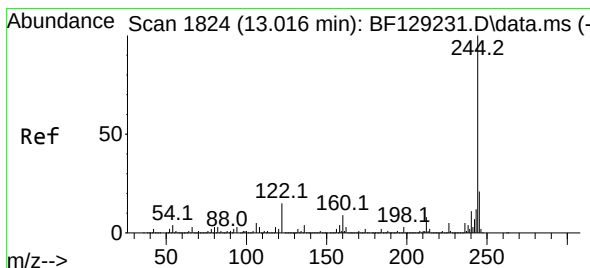
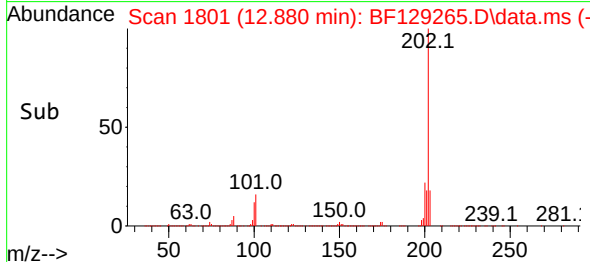
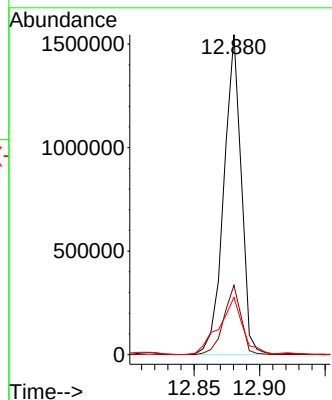
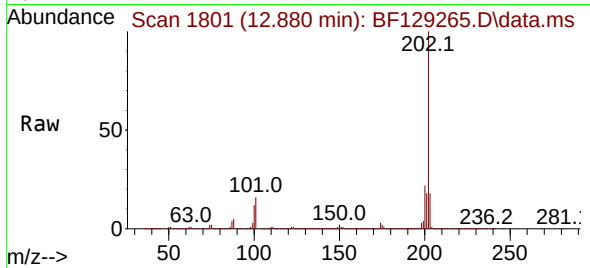




#78  
 Pyrene  
 Concen: 34.270 ng  
 RT: 12.880 min Scan# 1801  
 Delta R.T. 0.006 min  
 Lab File: BF129265.D  
 Acq: 18 Jul 2022 11:32

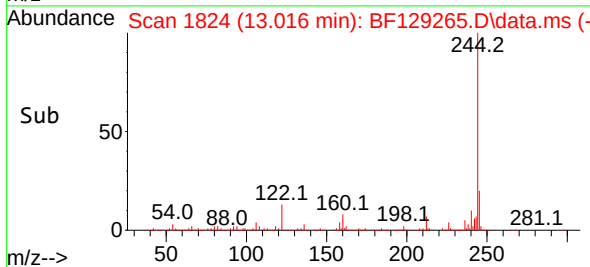
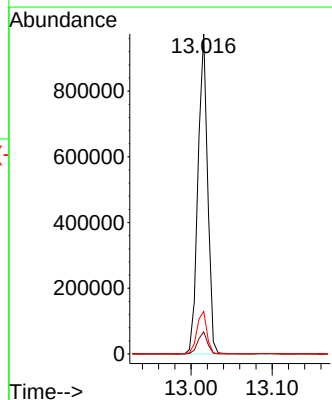
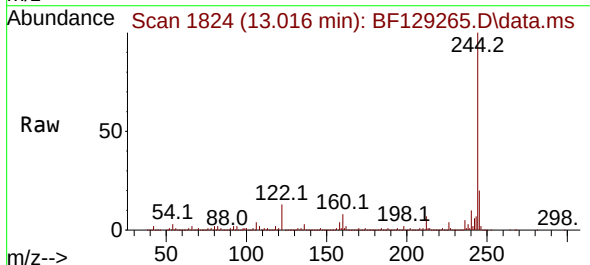
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02-COMPDL

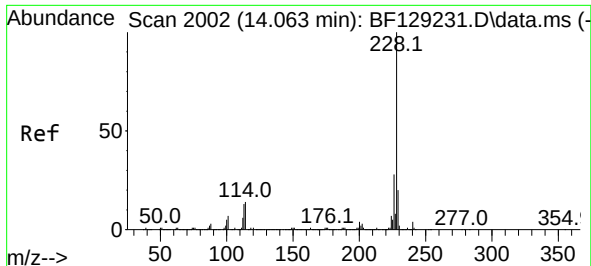
Tgt Ion:202 Resp: 1421487  
 Ion Ratio Lower Upper  
 202 100  
 200 21.7 17.7 26.5  
 203 17.9 14.6 21.8



#79  
 Terphenyl-d14  
 Concen: 29.555 ng  
 RT: 13.016 min Scan# 1824  
 Delta R.T. 0.000 min  
 Lab File: BF129265.D  
 Acq: 18 Jul 2022 11:32

Tgt Ion:244 Resp: 809087  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 6.1 9.1  
 122 13.3 8.8 13.2#

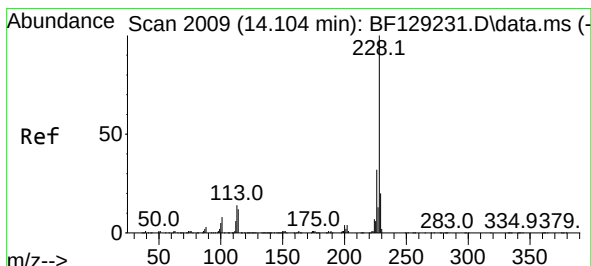
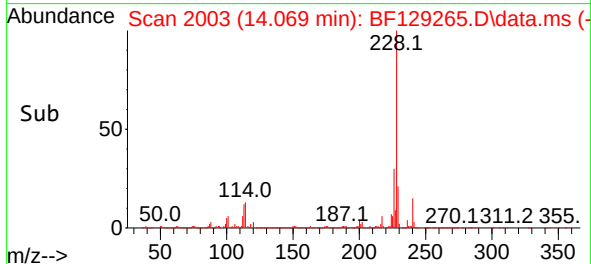
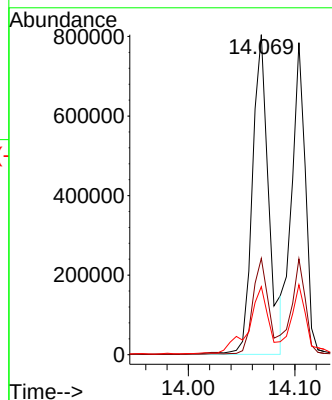
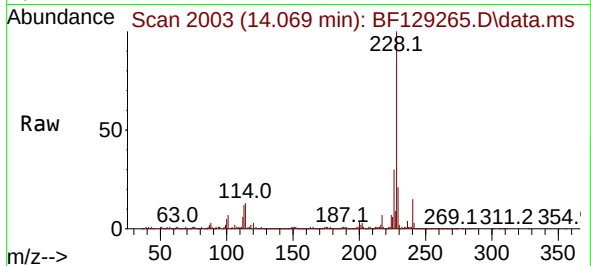




#81  
Benzo(a)anthracene  
Concen: 26.429 ng  
RT: 14.069 min Scan# 2002  
Delta R.T. 0.006 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

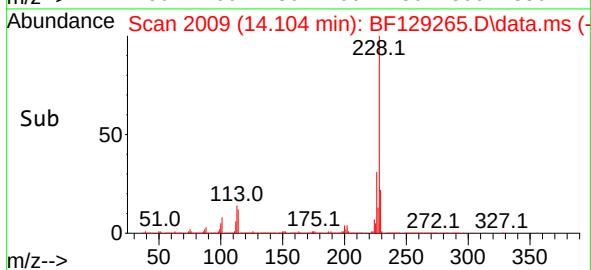
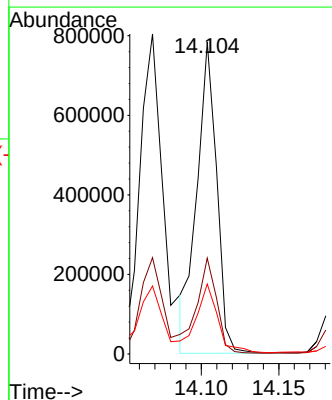
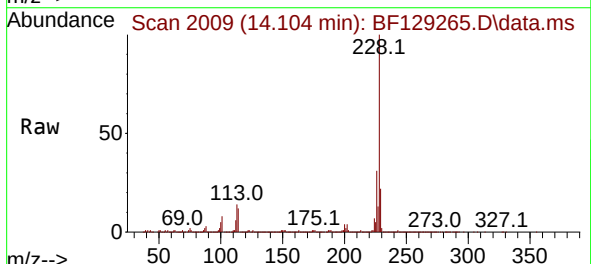
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02-COMPDL

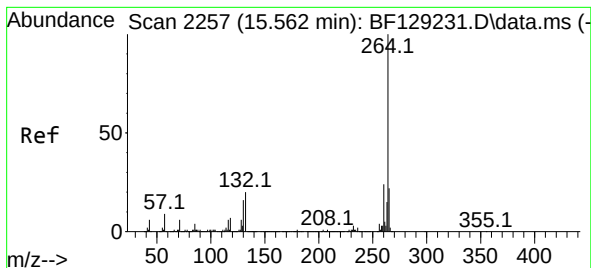
Tgt Ion:228 Resp: 853720  
Ion Ratio Lower Upper  
228 100  
226 30.1 22.1 33.1  
229 21.3 15.8 23.8



#83  
Chrysene  
Concen: 22.626 ng  
RT: 14.104 min Scan# 2009  
Delta R.T. 0.000 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

Tgt Ion:228 Resp: 697609  
Ion Ratio Lower Upper  
228 100  
226 30.7 24.3 36.5  
229 22.4 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129265.D

Acq: 18 Jul 2022 11:32

Instrument :

BNA\_F

ClientSampleId :

SB-02-COMPDL

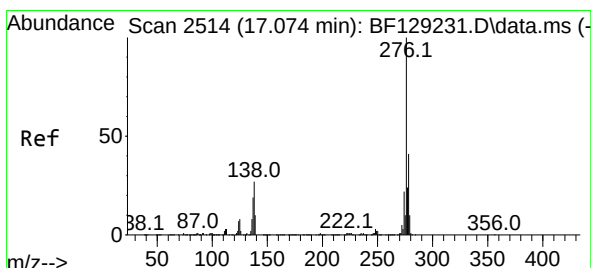
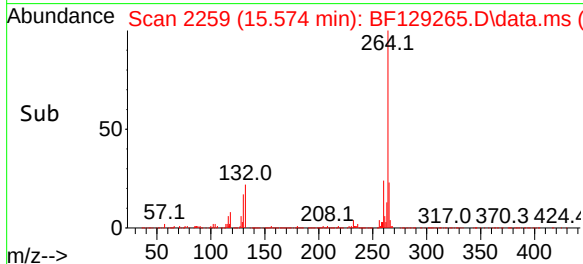
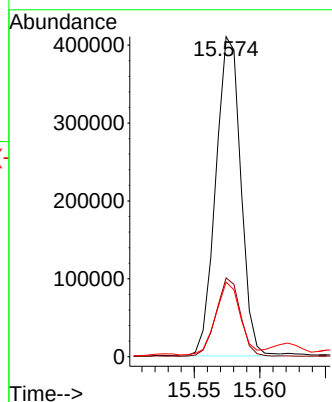
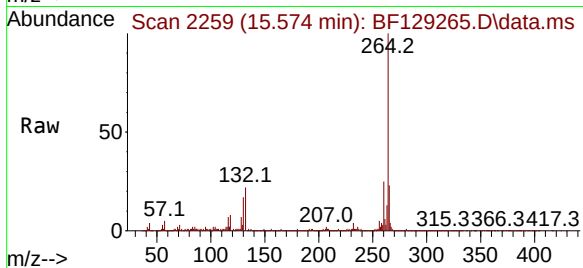
Tgt Ion:264 Resp: 543037

Ion Ratio Lower Upper

264 100

260 24.6 18.4 27.6

265 23.3 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.594 ng

RT: 17.086 min Scan# 2516

Delta R.T. 0.012 min

Lab File: BF129265.D

Acq: 18 Jul 2022 11:32

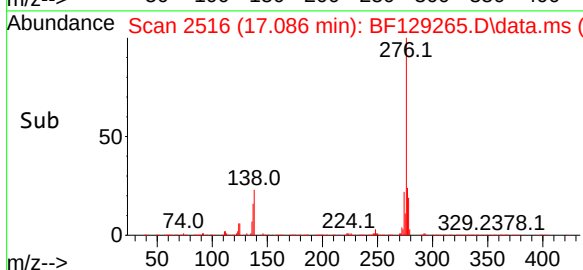
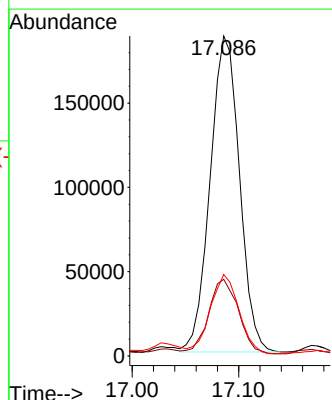
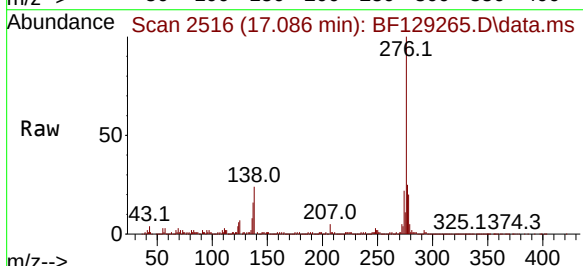
Tgt Ion:276 Resp: 358737

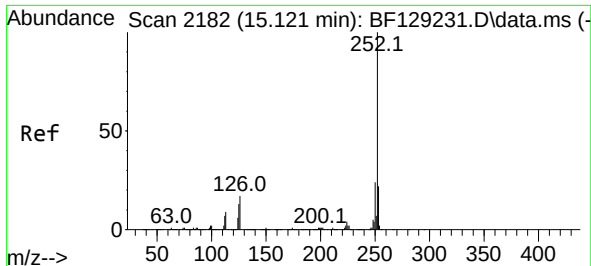
Ion Ratio Lower Upper

276 100

138 24.1 21.1 31.7

277 24.6 20.3 30.5

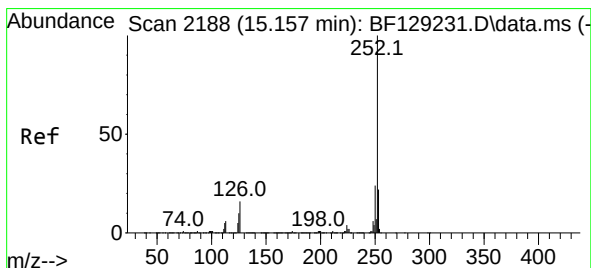
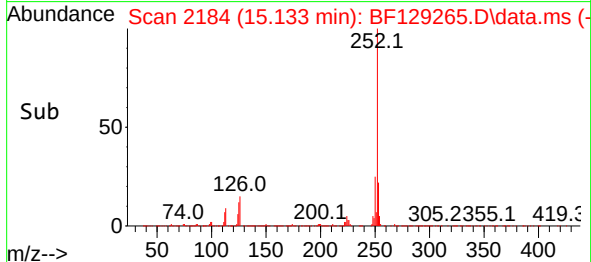
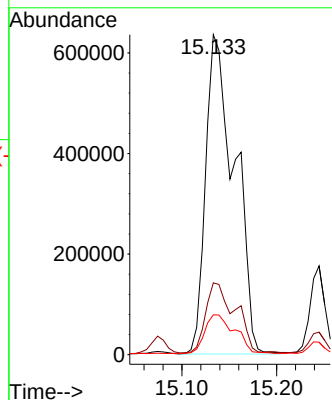
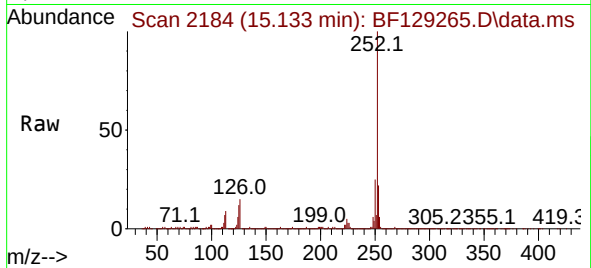




#88  
Benzo(b)fluoranthene  
Concen: 40.686 ng  
RT: 15.133 min Scan# 2182  
Delta R.T. 0.012 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

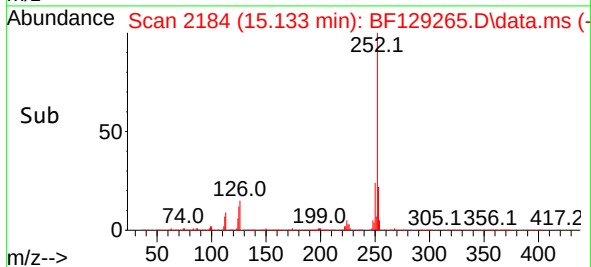
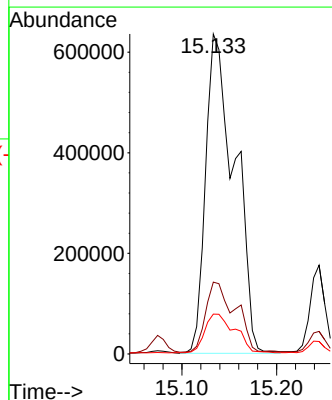
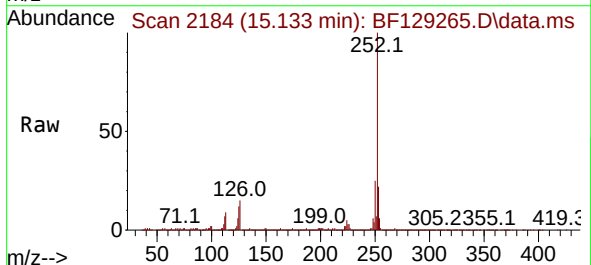
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02-COMPDL

Tgt Ion:252 Resp: 1357321  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.7 26.5  
125 12.4 8.0 12.0#

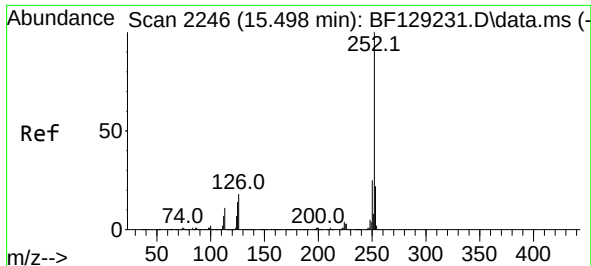


#89  
Benzo(k)fluoranthene  
Concen: 41.644 ng  
RT: 15.133 min Scan# 2184  
Delta R.T. -0.023 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

Tgt Ion:252 Resp: 1357321  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.8 26.6  
125 12.4 8.3 12.5



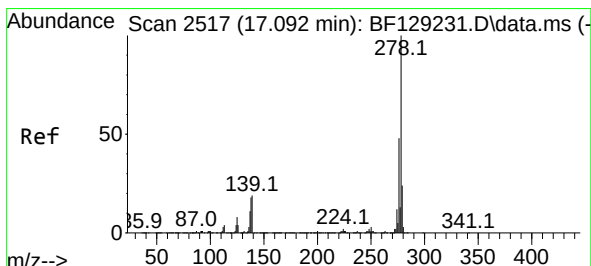
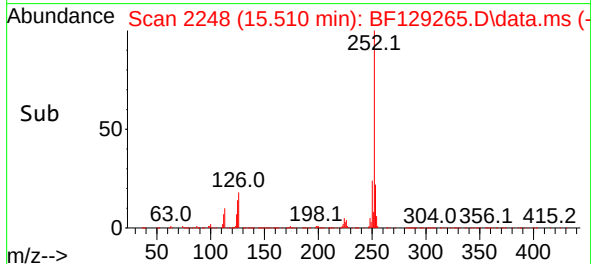
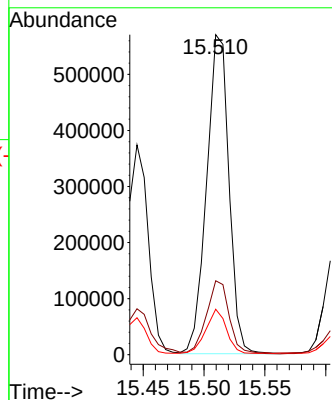
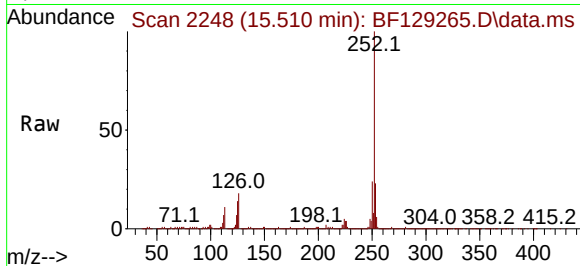




#90  
Benzo(a)pyrene  
Concen: 26.815 ng  
RT: 15.510 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

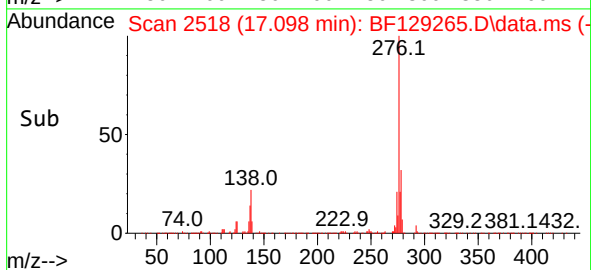
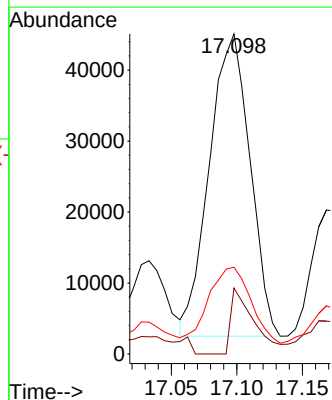
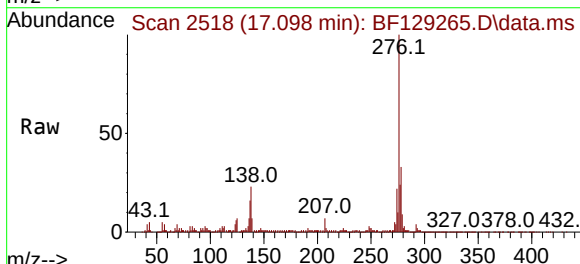
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02-COMPDL

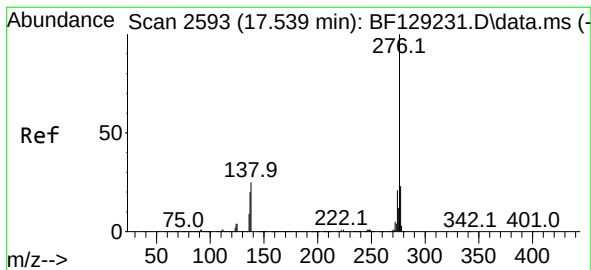
Tgt Ion:252 Resp: 728249  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.0 25.6  
125 14.2 8.8 13.2#



#91  
Dibenzo(a,h)anthracene  
Concen: 3.351 ng  
RT: 17.098 min Scan# 2518  
Delta R.T. 0.006 min  
Lab File: BF129265.D  
Acq: 18 Jul 2022 11:32

Tgt Ion:278 Resp: 91791  
Ion Ratio Lower Upper  
278 100  
139 20.6 12.8 19.2#  
279 27.1 18.6 28.0





#92  
 Benzo(g,h,i)perylene  
 Concen: 11.255 ng  
 RT: 17.545 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BF129265.D  
 Acq: 18 Jul 2022 11:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02-COMPDL

Tgt Ion:276 Resp: 315131  
 Ion Ratio Lower Upper  
 276 100  
 277 24.2 19.1 28.7  
 138 25.4 18.0 27.0

