

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF041822\  
 Data File : BF127832.D  
 Acq On : 18 Apr 2022 18:29  
 Operator : CG\JU  
 Sample : N2444-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3

Quant Time: Apr 19 05:16:10 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF040622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 13 16:40:15 2022  
 Response via : Initial Calibration

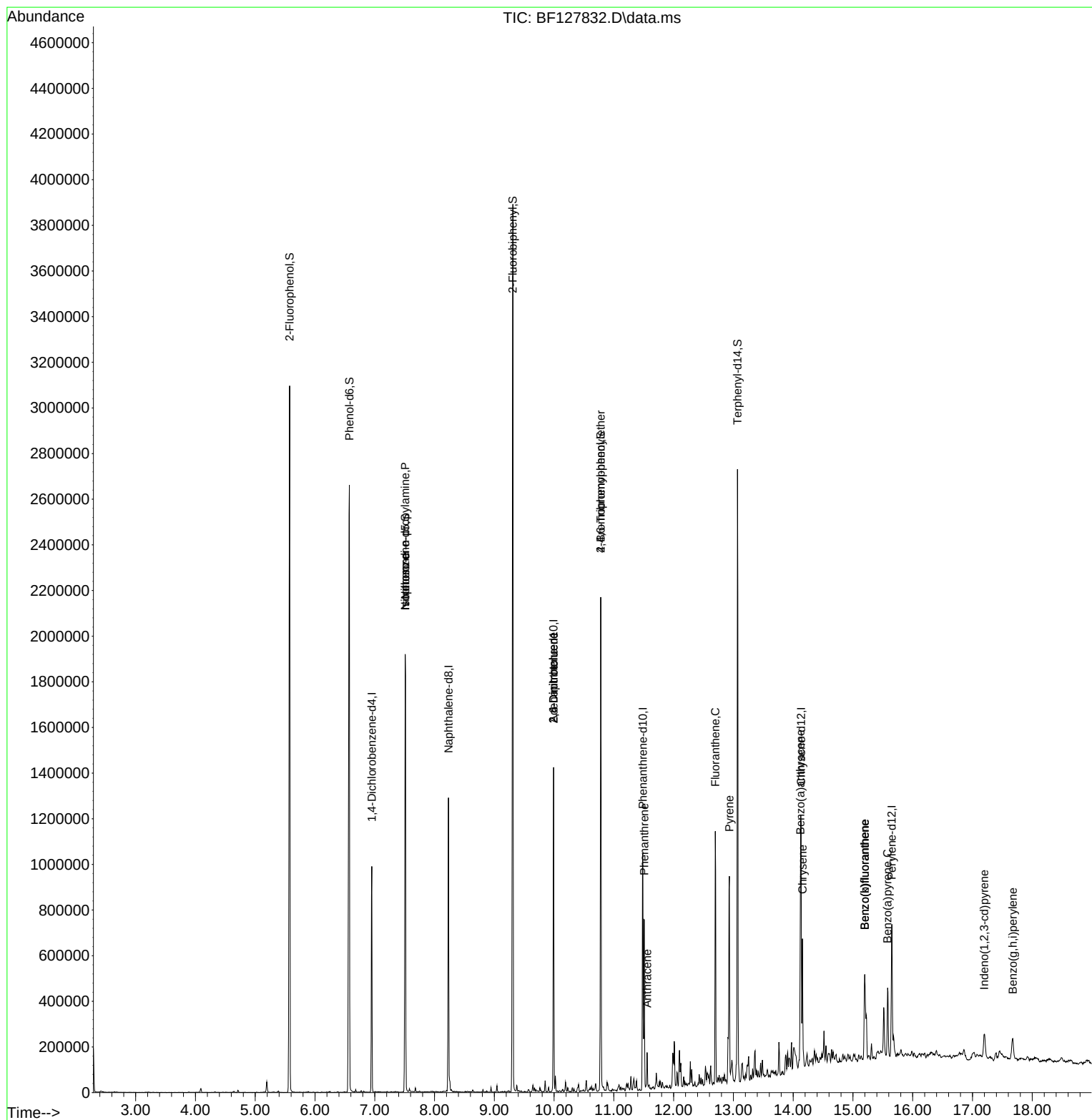
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min)    |
|-------------------------------|--------|------|----------|-----------|-------|-------------|
| Internal Standards            |        |      |          |           |       |             |
| 1) 1,4-Dichlorobenzene-d4     | 6.951  | 152  | 143703   | 20.000    | ng    | -0.01       |
| 21) Naphthalene-d8            | 8.234  | 136  | 505757   | 20.000    | ng    | #-0.01      |
| 39) Acenaphthene-d10          | 9.992  | 164  | 266981   | 20.000    | ng    | -0.01       |
| 64) Phenanthrene-d10          | 11.486 | 188  | 409119   | 20.000    | ng    | 0.00        |
| 76) Chrysene-d12              | 14.133 | 240  | 311828   | 20.000    | ng    | -0.01       |
| 86) Perylene-d12              | 15.651 | 264  | 274766   | 20.000    | ng    | -0.01       |
| System Monitoring Compounds   |        |      |          |           |       |             |
| 5) 2-Fluorophenol             | 5.575  | 112  | 774336   | 87.557    | ng    | 0.00        |
| 7) Phenol-d6                  | 6.575  | 99   | 982026   | 84.880    | ng    | -0.01       |
| 23) Nitrobenzene-d5           | 7.510  | 82   | 695062   | 61.268    | ng    | -0.02       |
| 42) 2,4,6-Tribromophenol      | 10.780 | 330  | 243052   | 85.549    | ng    | -0.02       |
| 45) 2-Fluorobiphenyl          | 9.310  | 172  | 1160472  | 61.491    | ng    | -0.01       |
| 79) Terphenyl-d14             | 13.069 | 244  | 905655   | 47.939    | ng    | -0.01       |
| Target Compounds              |        |      |          |           |       |             |
| 9) Benzaldehyde               | 6.504  | 77   | 368      | Below Cal |       | Qvalue # 71 |
| 19) n-Nitroso-di-n-propyla... | 7.510  | 70   | 93984    | 12.560    | ng    | # 75        |
| 25) Isophorone                | 7.510  | 82   | 689961   | 34.854    | ng    | # 70        |
| 51) 2,6-Dinitrotoluene        | 9.992  | 165  | 34963    | 9.585     | ng    | # 17        |
| 57) 2,4-Dinitrotoluene        | 9.992  | 165  | 34963    | 7.731     | ng    | # 13        |
| 67) 4-Bromophenyl-phenylether | 10.780 | 248  | 15493    | 3.120     | ng    | # 1         |
| 71) Phenanthrene              | 11.510 | 178  | 281897   | 13.005    | ng    | 99          |
| 72) Anthracene                | 11.557 | 178  | 55878    | 2.606     | ng    | 98          |
| 75) Fluoranthene              | 12.698 | 202  | 435106   | 18.395    | ng    | 98          |
| 78) Pyrene                    | 12.933 | 202  | 387546   | 14.718    | ng    | 99          |
| 81) Benzo(a)anthracene        | 14.121 | 228  | 225781   | 10.841    | ng    | 98          |
| 83) Chrysene                  | 14.157 | 228  | 195803   | 9.794     | ng    | 97          |
| 87) Indeno(1,2,3-cd)pyrene    | 17.198 | 276  | 78409    | 4.567     | ng    | 97          |
| 88) Benzo(b)fluoranthene      | 15.198 | 252  | 308924   | 17.477    | ng    | 100         |
| 89) Benzo(k)fluoranthene      | 15.198 | 252  | 308924   | 17.622    | ng    | 99          |
| 90) Benzo(a)pyrene            | 15.580 | 252  | 156915   | 10.922    | ng    | 97          |
| 92) Benzo(g,h,i)perylene      | 17.674 | 276  | 81625    | 5.724     | ng    | 97          |

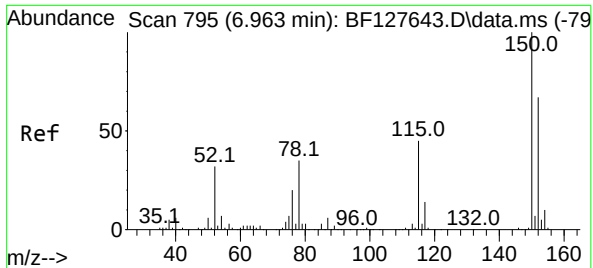
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF041822\  
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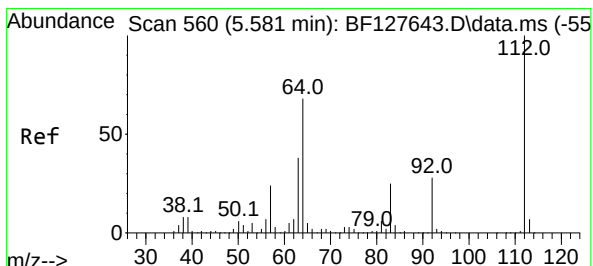
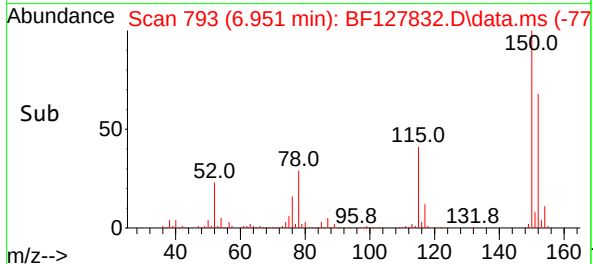
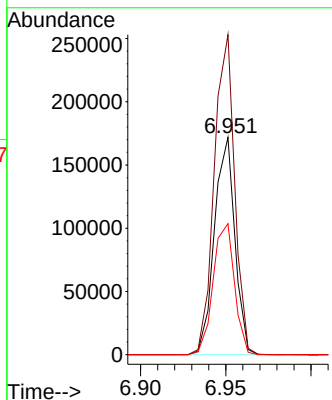
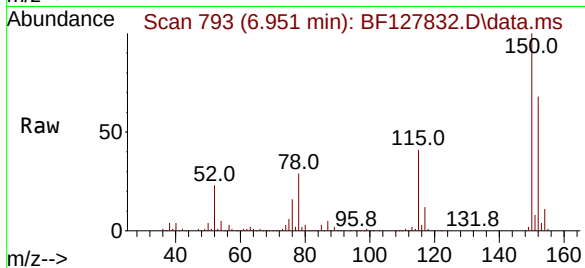




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.951 min Scan# 795  
Delta R.T. -0.012 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

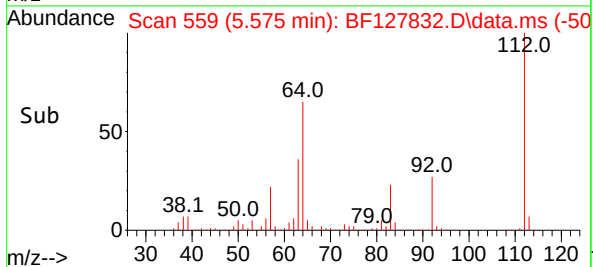
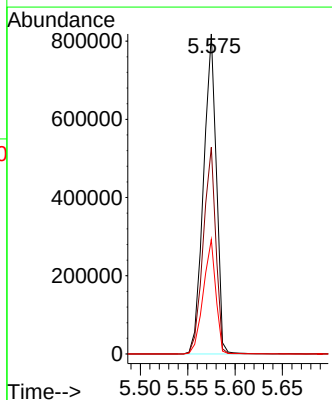
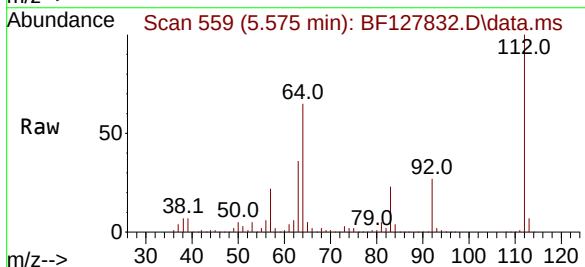
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ClientSampleId :  
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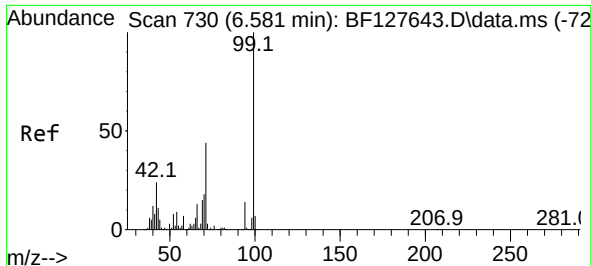
Tgt Ion:152 Resp: 143703  
Ion Ratio Lower Upper  
152 100  
150 147.3 117.2 175.8  
115 60.3 49.8 74.6



#5  
2-Fluorophenol  
Concen: 87.557 ng  
RT: 5.575 min Scan# 559  
Delta R.T. -0.006 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

Tgt Ion:112 Resp: 774336  
Ion Ratio Lower Upper  
112 100  
64 64.6 58.4 87.6  
63 35.7 30.1 45.1

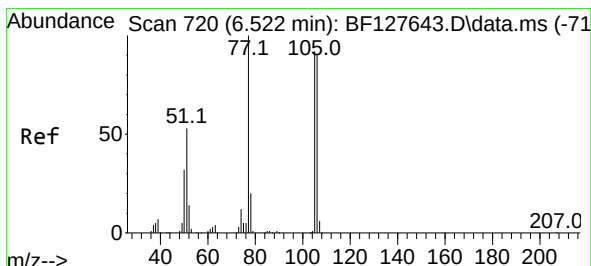
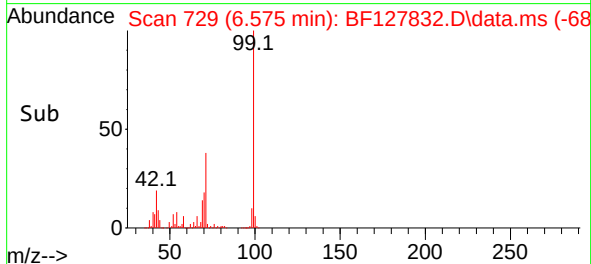
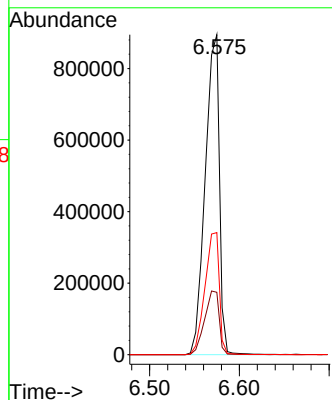
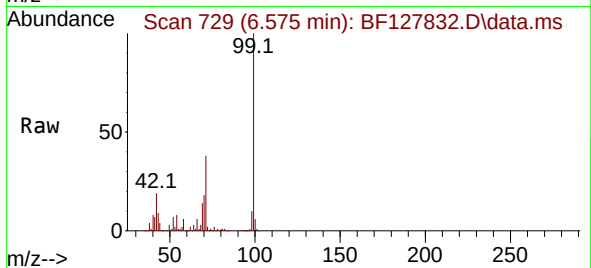




#7  
Phenol-d6  
Concen: 84.880 ng  
RT: 6.575 min Scan# 717  
Delta R.T. -0.012 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

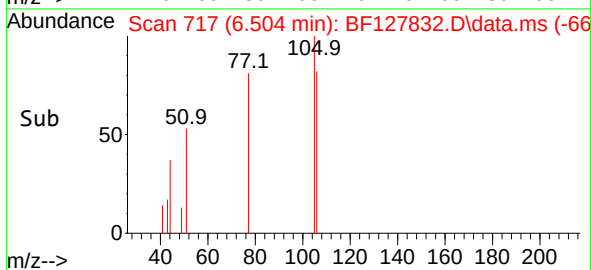
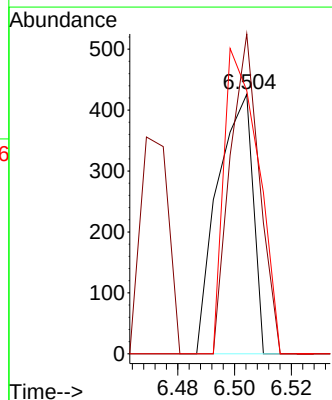
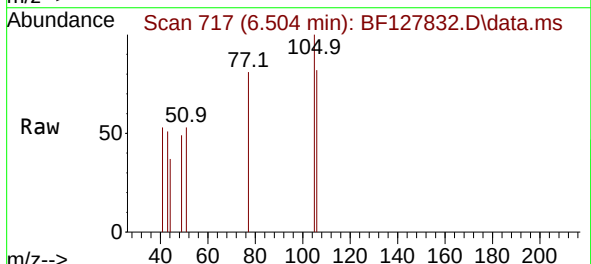
Instrument :  
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ClientSampleId :  
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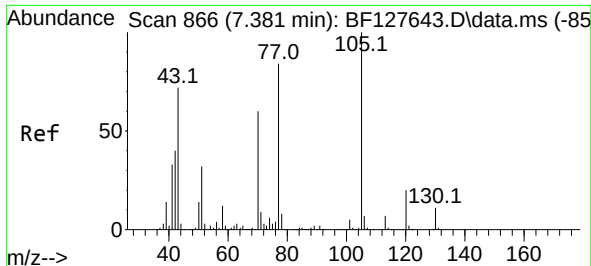
Tgt Ion: 99 Resp: 982026  
Ion Ratio Lower Upper  
99 100  
42 19.5 17.8 26.6  
71 38.2 29.6 44.4



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.504 min Scan# 717  
Delta R.T. -0.012 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

Tgt Ion: 77 Resp: 368  
Ion Ratio Lower Upper  
77 100  
105 123.2 66.8 106.8#  
106 101.4 64.3 104.3

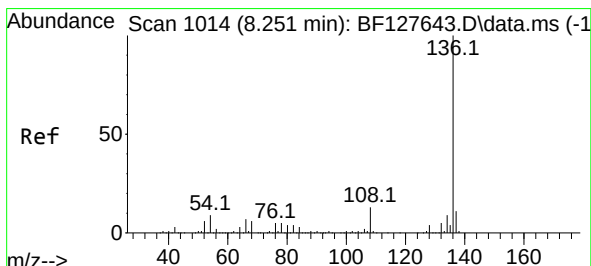
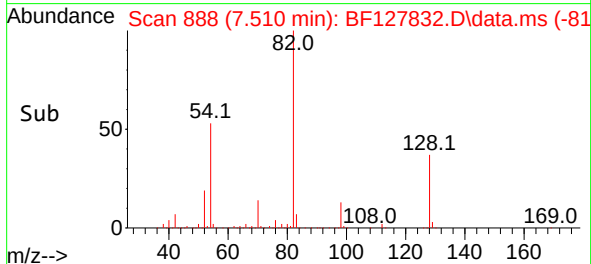
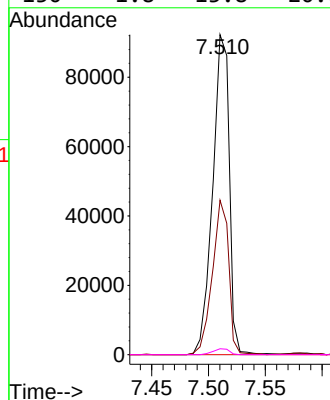
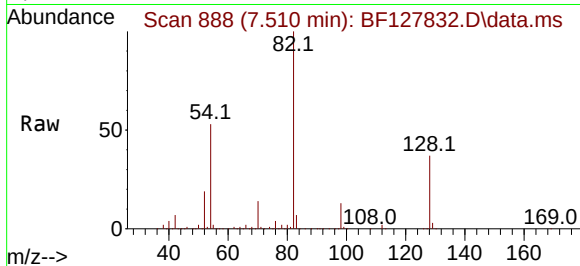




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.560 ng  
RT: 7.510 min Scan# 81  
Delta R.T. 0.135 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

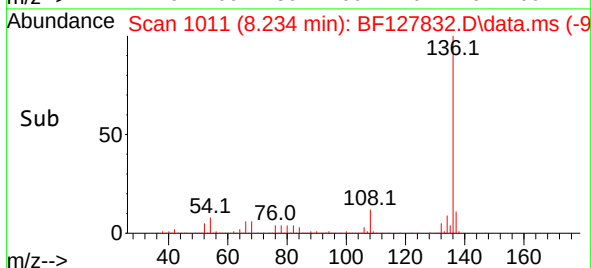
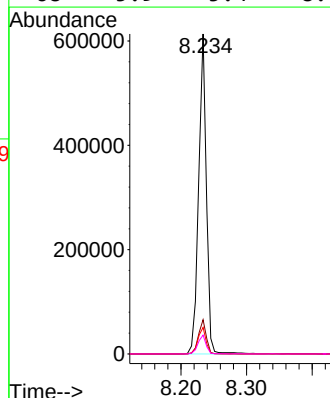
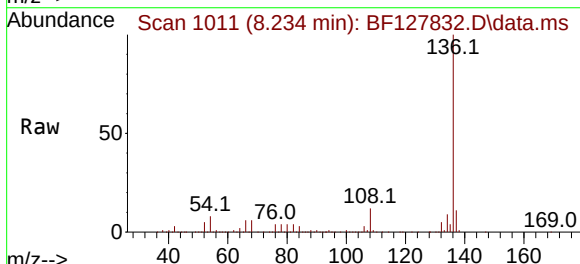
Instrument :  
BNA\_F  
ClientSampleId :  
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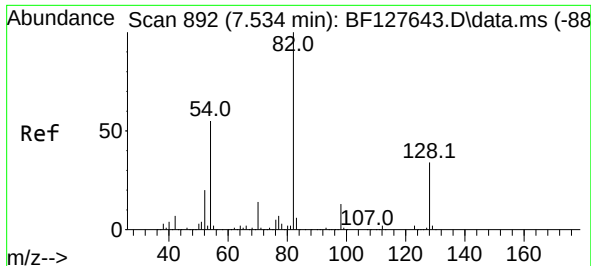
Tgt Ion: 70 Resp: 93984  
Ion Ratio Lower Upper  
70 100  
42 48.3 53.0 79.6#  
101 0.0 6.8 10.2#  
130 1.8 13.8 20.6#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.234 min Scan# 1011  
Delta R.T. -0.012 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

Tgt Ion: 136 Resp: 505757  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 8.3 9.2 13.8#  
68 5.9 5.4 8.0





#23

Nitrobenzene-d5

Concen: 61.268 ng

RT: 7.510 min Scan# 888

Delta R.T. -0.018 min

Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

Instrument :

BNA\_F

ClientSampleId :

SB-3

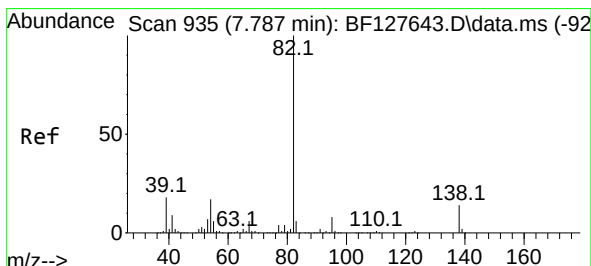
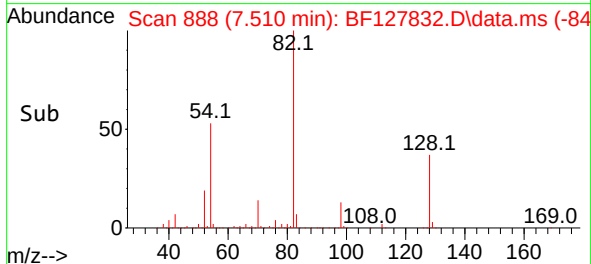
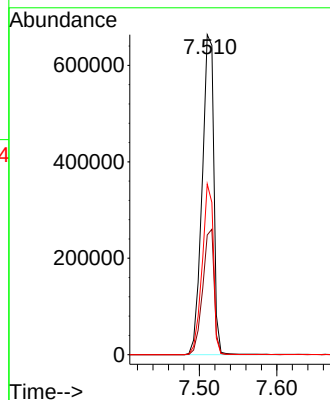
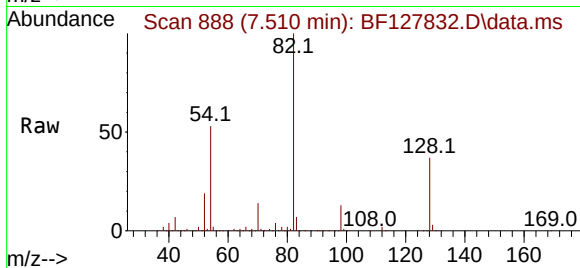
Tgt Ion: 82 Resp: 695062

Ion Ratio Lower Upper

82 100

128 37.4 30.6 45.8

54 53.4 48.2 72.2



#25

Isophorone

Concen: 34.854 ng

RT: 7.510 min Scan# 888

Delta R.T. -0.277 min

Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

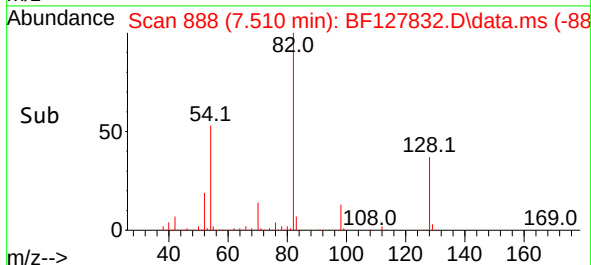
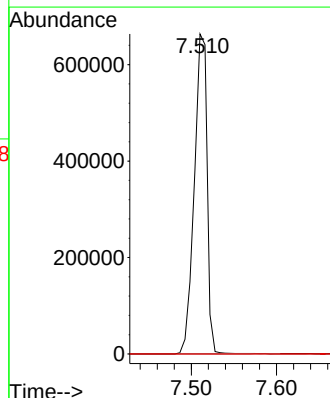
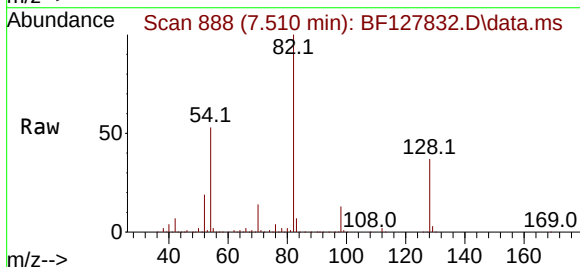
Tgt Ion: 82 Resp: 689961

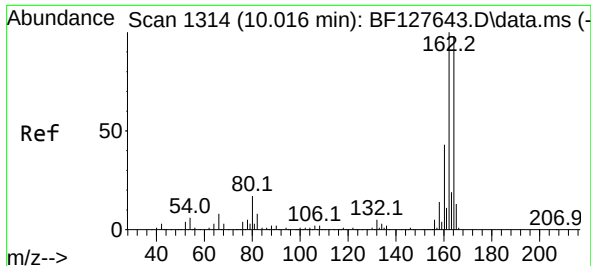
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.992 min Scan# 1310

Delta R.T. -0.012 min

Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

Instrument :

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ClientSampleId :

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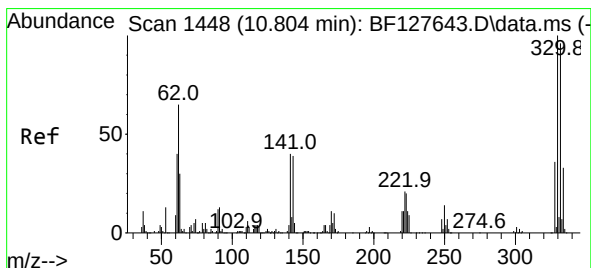
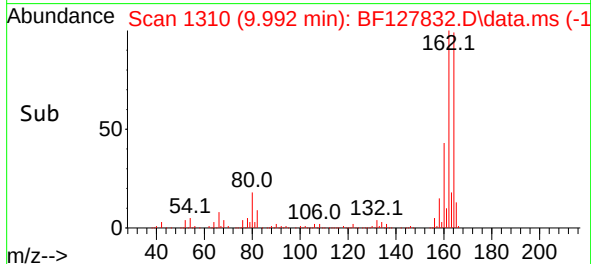
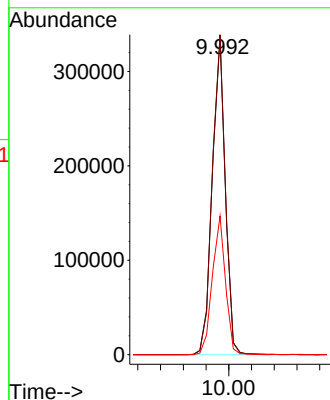
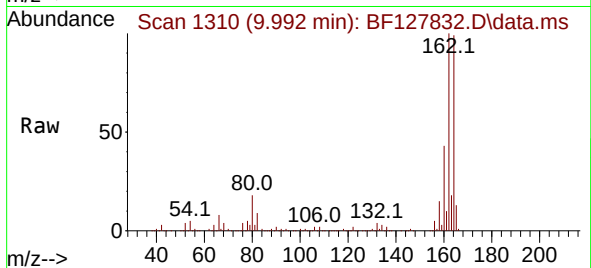
Tgt Ion:164 Resp: 266981

Ion Ratio Lower Upper

164 100

162 100.7 81.2 121.8

160 43.6 34.6 52.0



#42

2,4,6-Tribromophenol

Concen: 85.549 ng

RT: 10.780 min Scan# 1444

Delta R.T. -0.018 min

Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

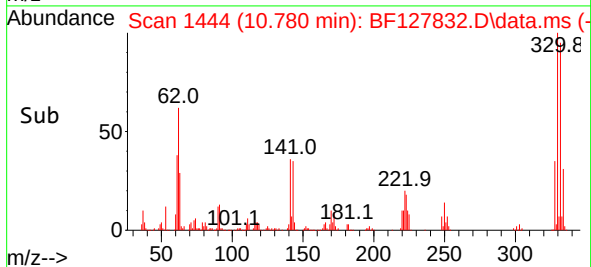
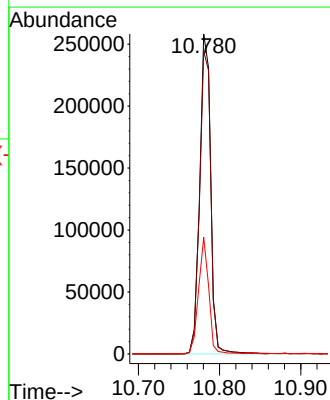
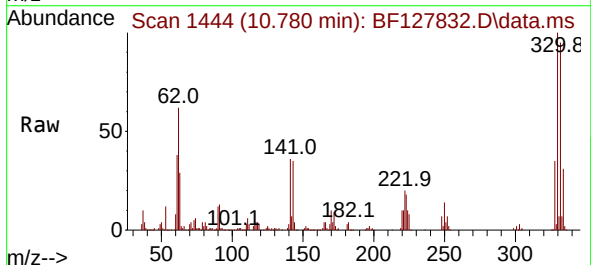
Tgt Ion:330 Resp: 243052

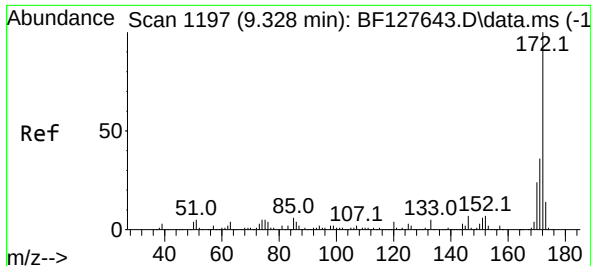
Ion Ratio Lower Upper

330 100

332 96.8 79.1 118.7

141 34.5 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 61.491 ng

RT: 9.310 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

Instrument :

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ClientSampleId :

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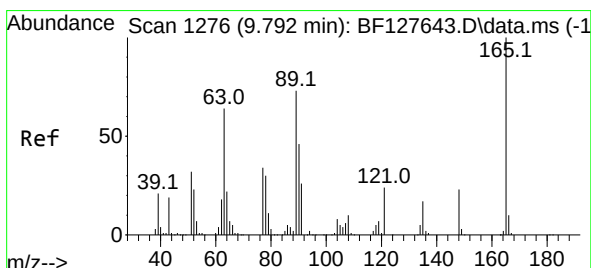
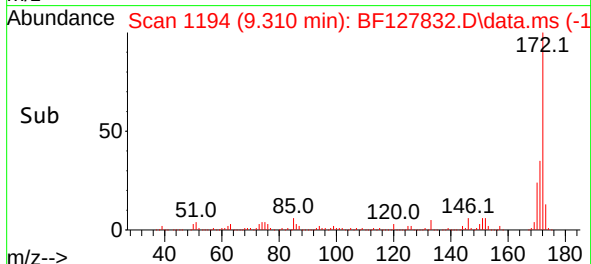
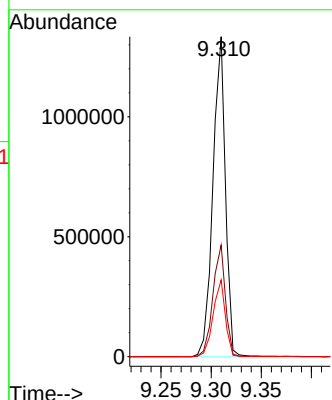
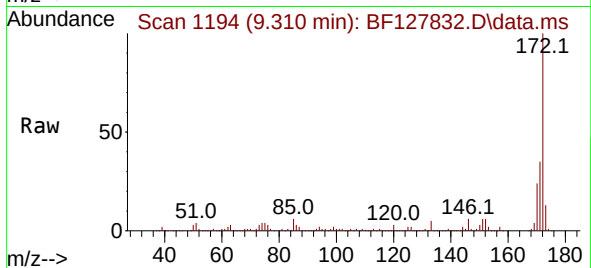
Tgt Ion:172 Resp: 1160472

Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 24.0 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.585 ng

RT: 9.992 min Scan# 1310

Delta R.T. 0.206 min

Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

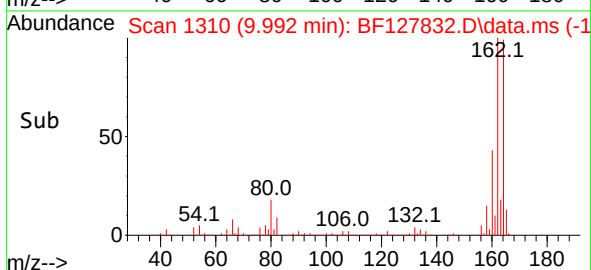
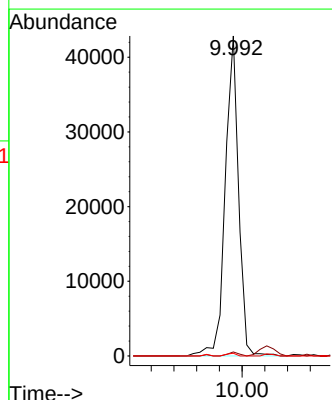
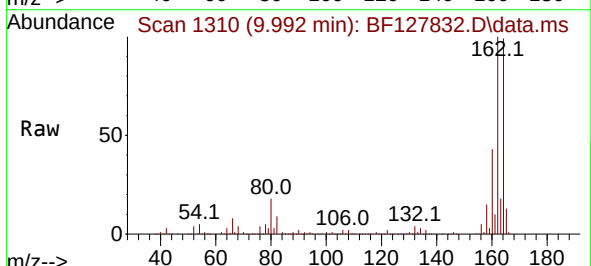
Tgt Ion:165 Resp: 34963

Ion Ratio Lower Upper

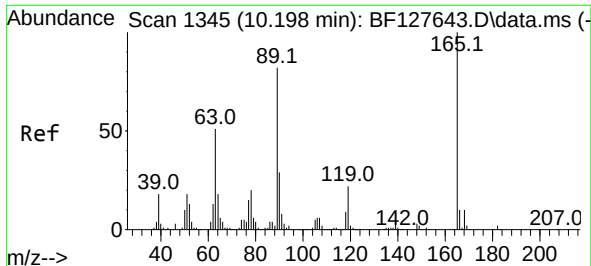
165 100

63 1.2 58.3 87.5#

89 0.9 51.5 77.3#



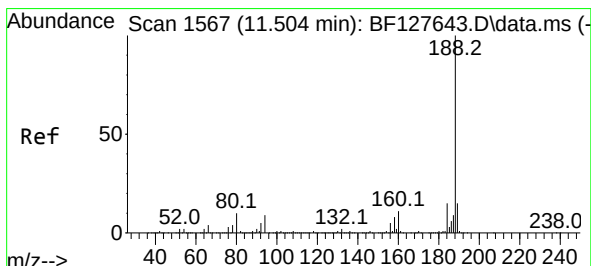
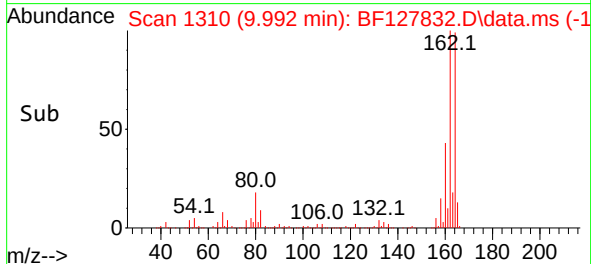
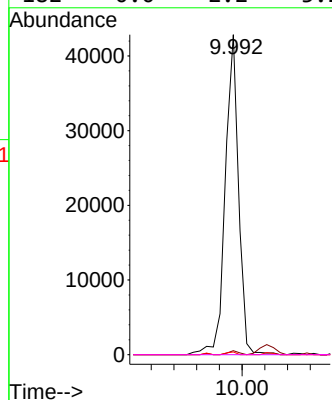
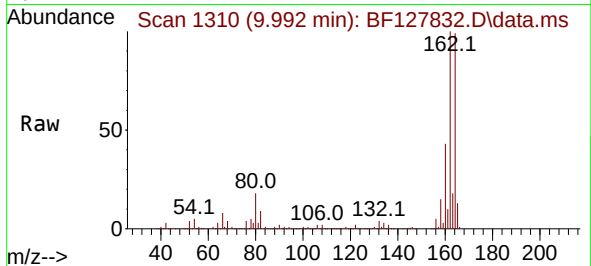




#57  
2,4-Dinitrotoluene  
Concen: 7.731 ng  
RT: 9.992 min Scan# 11  
Delta R.T. -0.200 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

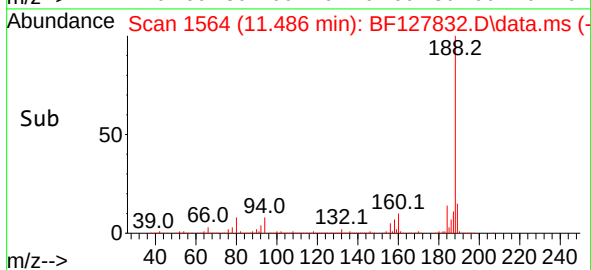
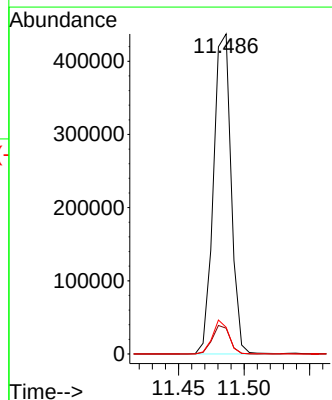
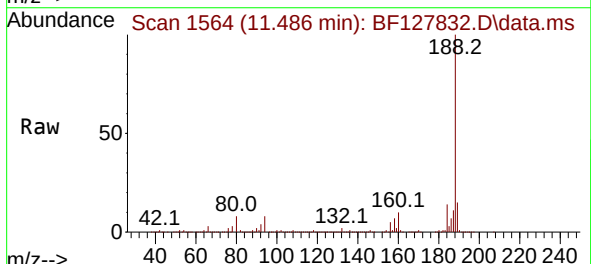
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

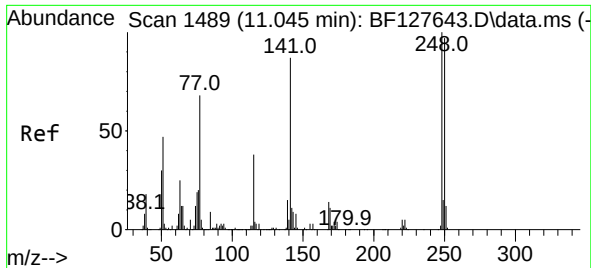
Tgt Ion:165 Resp: 34963  
Ion Ratio Lower Upper  
165 100  
63 1.2 53.1 79.7#  
89 0.9 69.2 103.8#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.486 min Scan# 1564  
Delta R.T. -0.006 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

Tgt Ion:188 Resp: 409119  
Ion Ratio Lower Upper  
188 100  
94 8.0 7.4 11.0  
80 8.3 8.0 12.0

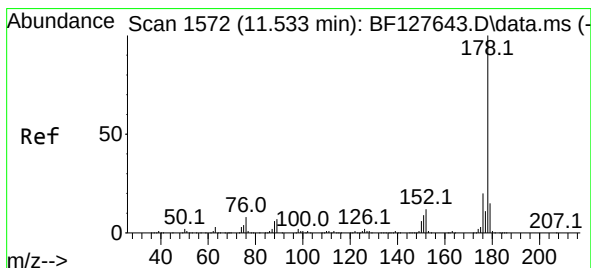
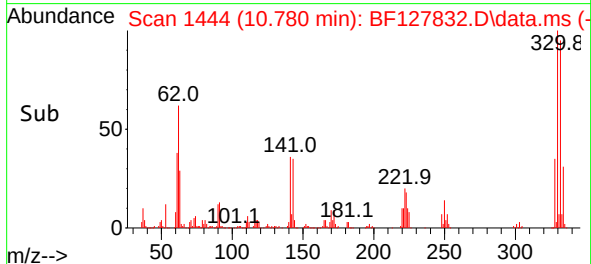
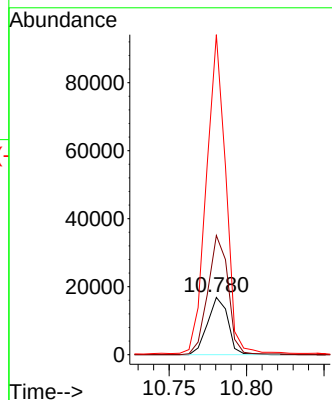
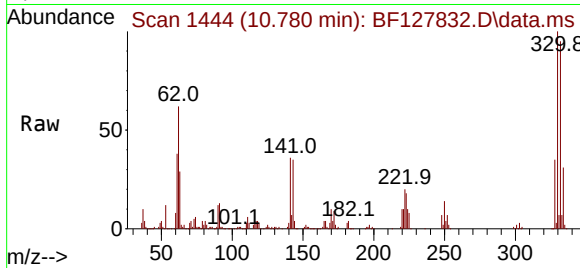




#67  
4-Bromophenyl-phenylether  
Concen: 3.120 ng  
RT: 10.780 min Scan# 1489  
Delta R.T. -0.259 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

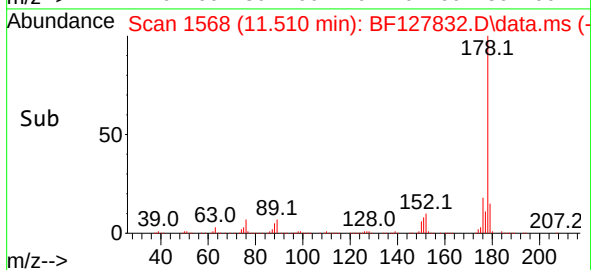
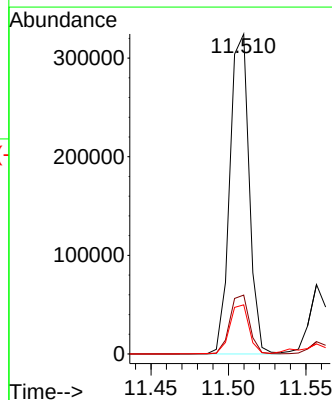
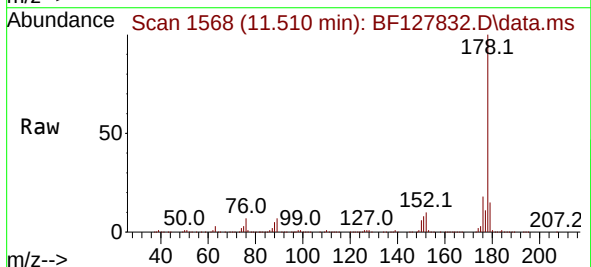
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

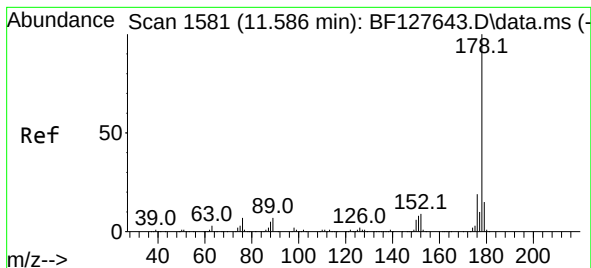
Tgt Ion:248 Resp: 15493  
Ion Ratio Lower Upper  
248 100  
250 207.9 76.6 115.0#  
141 557.9 52.2 78.2#



#71  
Phenanthrene  
Concen: 13.005 ng  
RT: 11.510 min Scan# 1568  
Delta R.T. -0.012 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

Tgt Ion:178 Resp: 281897  
Ion Ratio Lower Upper  
178 100  
176 18.4 15.4 23.2  
179 15.3 12.4 18.6





#72

Anthracene

Concen: 2.606 ng

RT: 11.557 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

Instrument :

BNA\_F

ClientSampleId :

SB-3

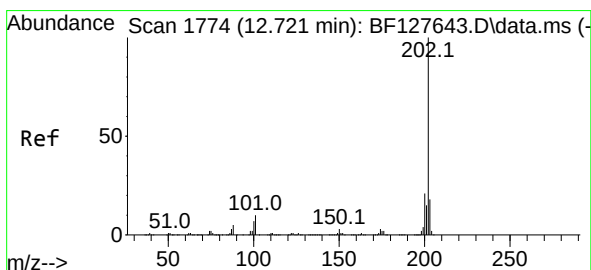
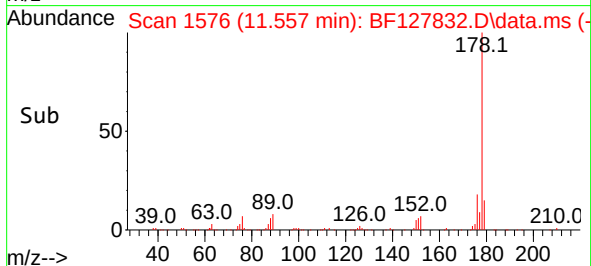
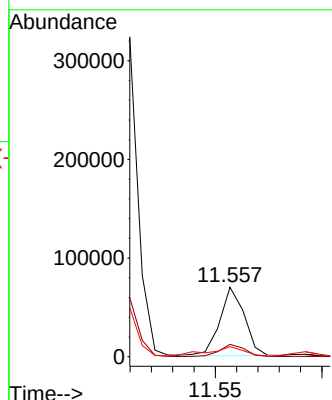
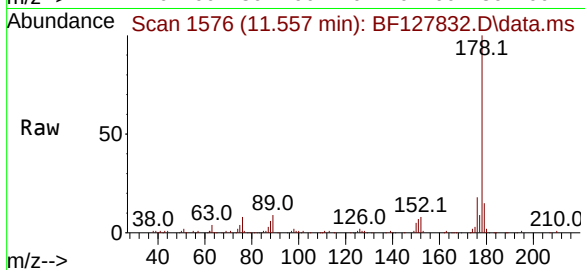
Tgt Ion:178 Resp: 55878

Ion Ratio Lower Upper

178 100

176 17.8 14.6 22.0

179 14.6 12.4 18.6



#75

Fluoranthene

Concen: 18.395 ng

RT: 12.698 min Scan# 1770

Delta R.T. -0.012 min

Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

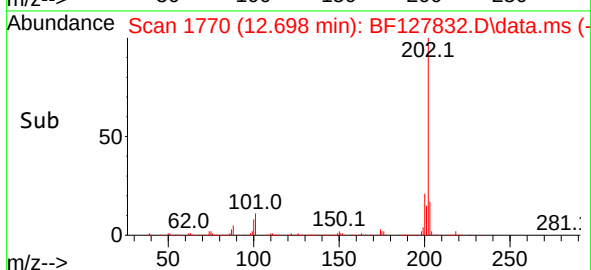
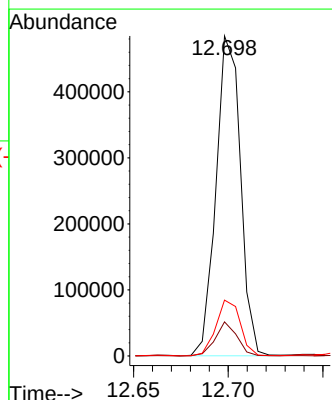
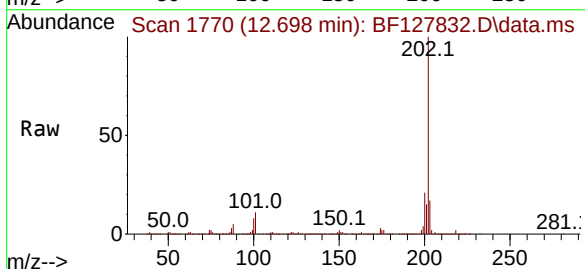
Tgt Ion:202 Resp: 435106

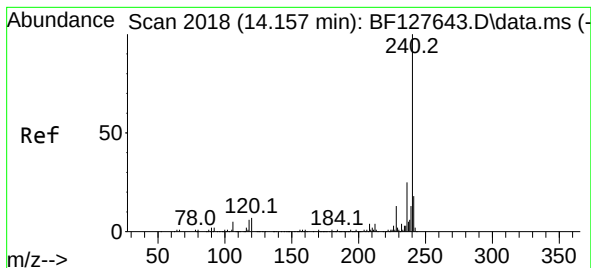
Ion Ratio Lower Upper

202 100

101 10.7 0.0 29.0

203 17.4 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.133 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

Instrument :

BNA\_F

ClientSampleId :

SB-3

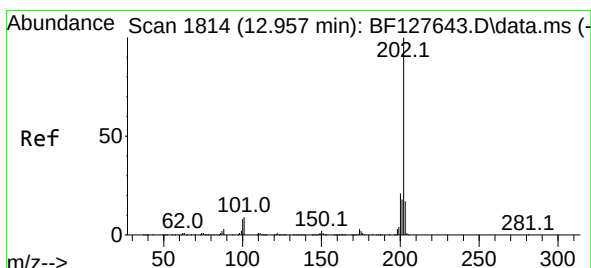
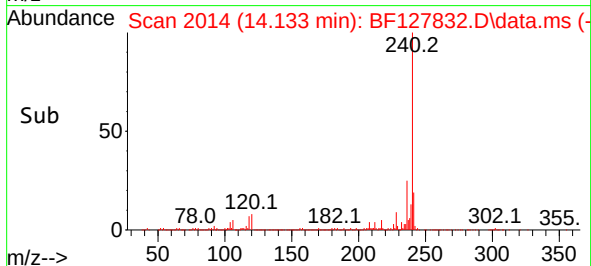
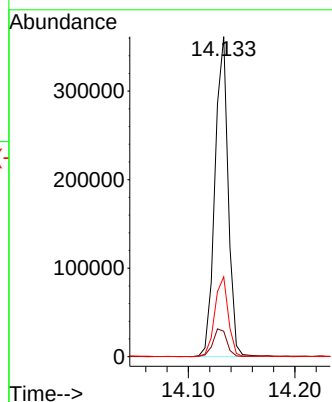
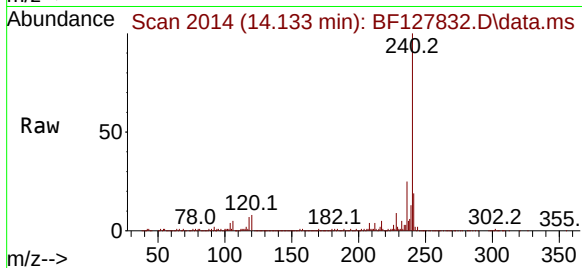
Tgt Ion:240 Resp: 311828

Ion Ratio Lower Upper

240 100

120 8.0 7.1 10.7

236 25.0 20.7 31.1



#78

Pyrene

Concen: 14.718 ng

RT: 12.933 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

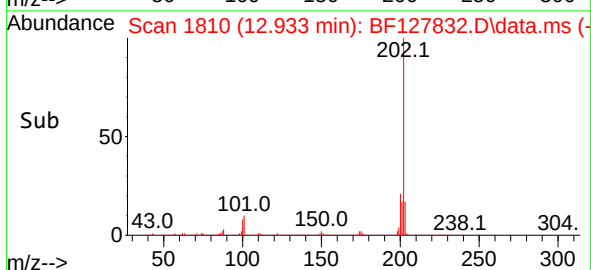
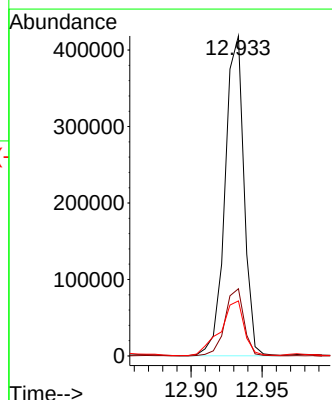
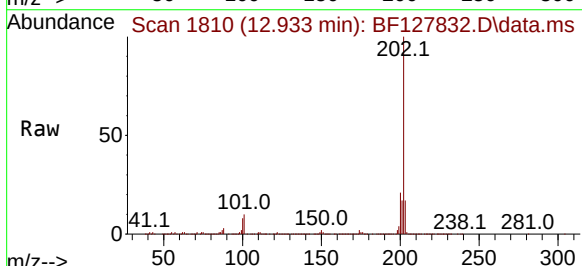
Tgt Ion:202 Resp: 387546

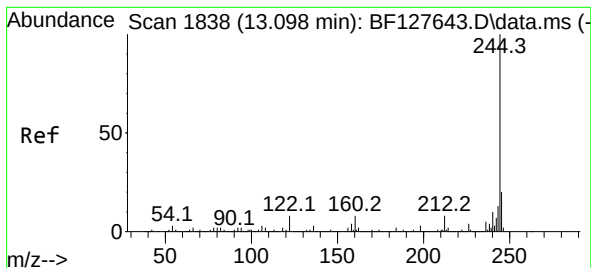
Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 17.2 14.3 21.5





#79

Terphenyl-d14

Concen: 47.939 ng

RT: 13.069 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

Instrument :

BNA\_F

ClientSampleId :

SB-3

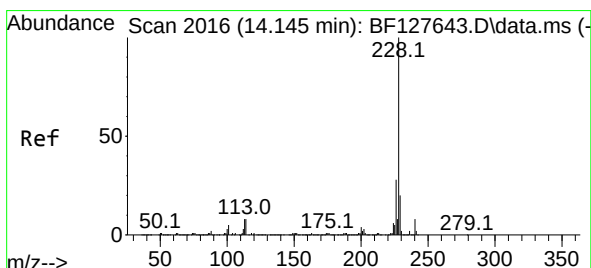
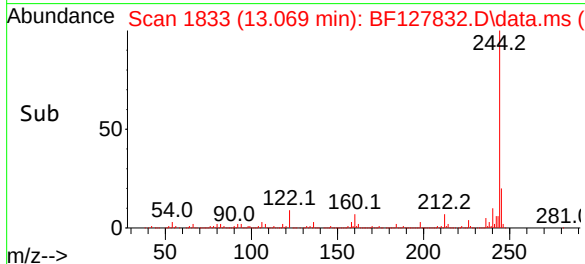
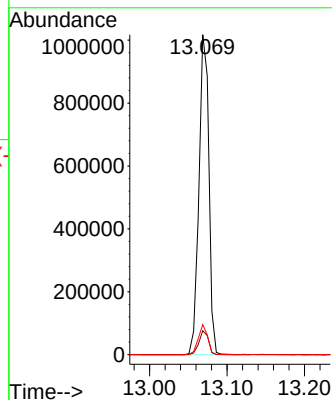
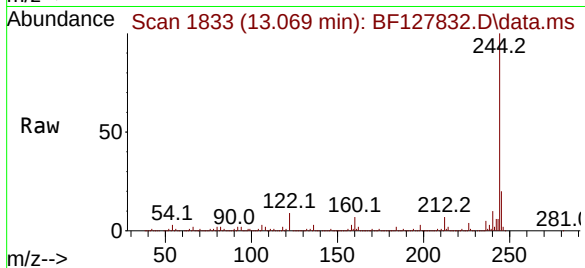
Tgt Ion:244 Resp: 905655

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

122 9.4 6.2 9.2#



#81

Benzo(a)anthracene

Concen: 10.841 ng

RT: 14.121 min Scan# 2012

Delta R.T. -0.012 min

Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

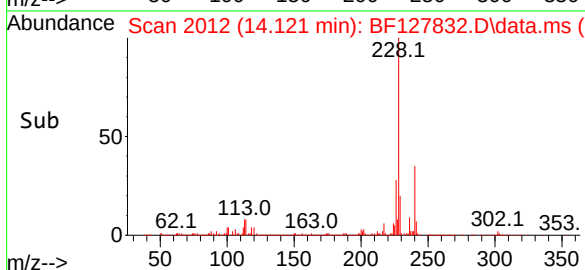
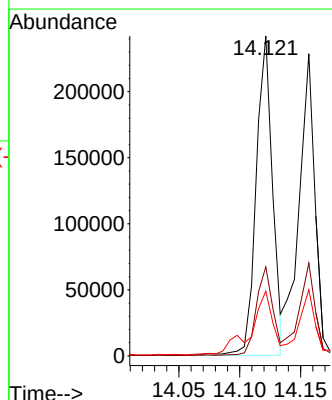
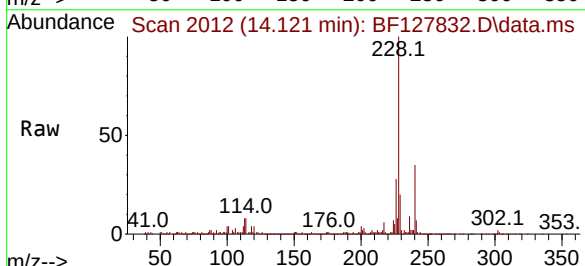
Tgt Ion:228 Resp: 225781

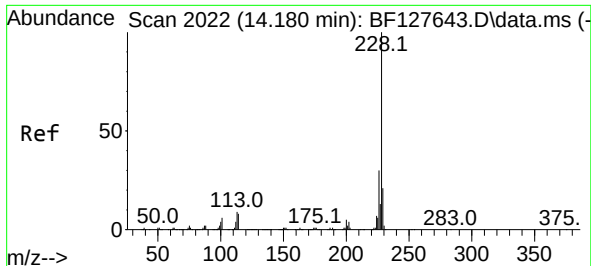
Ion Ratio Lower Upper

228 100

226 27.9 21.6 32.4

229 20.2 15.4 23.2

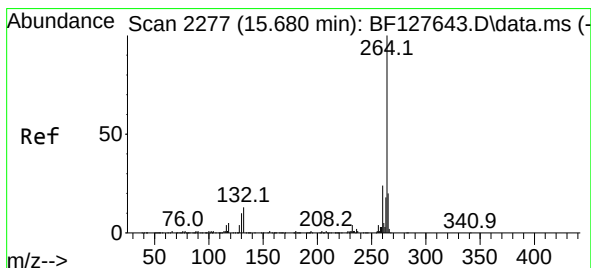
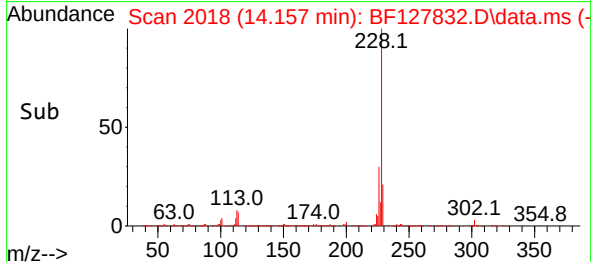
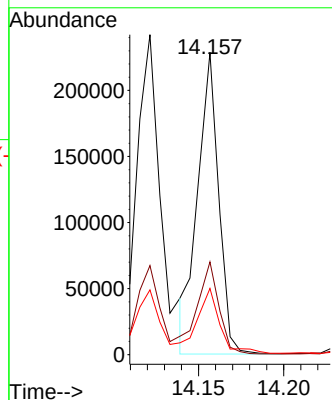
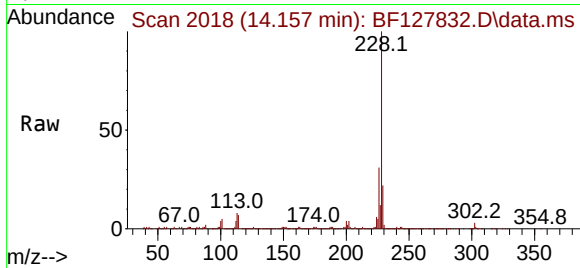




#83  
Chrysene  
Concen: 9.794 ng  
RT: 14.157 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

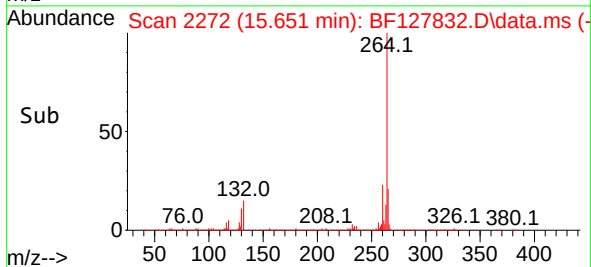
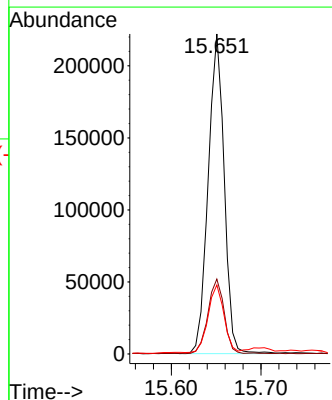
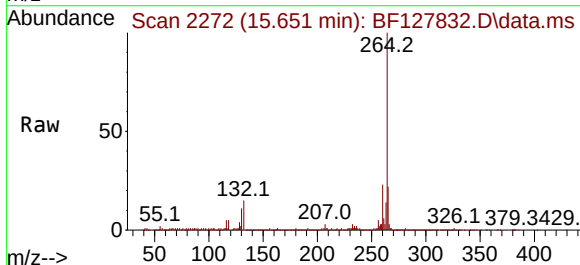
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

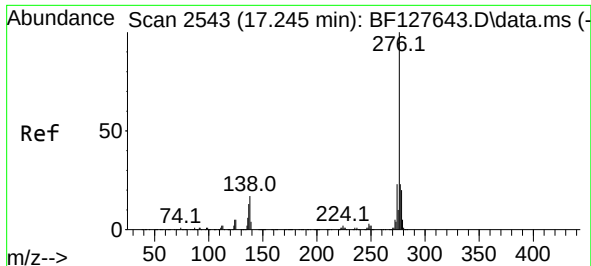
Tgt Ion:228 Resp: 195803  
Ion Ratio Lower Upper  
228 100  
226 30.7 24.2 36.4  
229 21.9 15.4 23.2



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.651 min Scan# 2272  
Delta R.T. -0.012 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

Tgt Ion:264 Resp: 274766  
Ion Ratio Lower Upper  
264 100  
260 23.4 19.1 28.7  
265 21.6 17.4 26.2

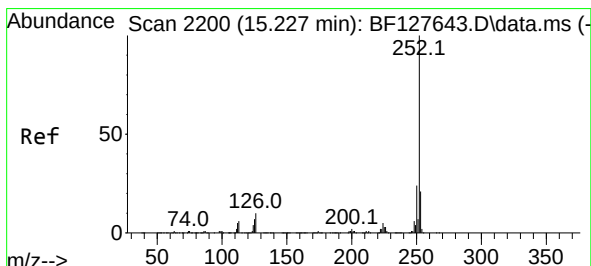
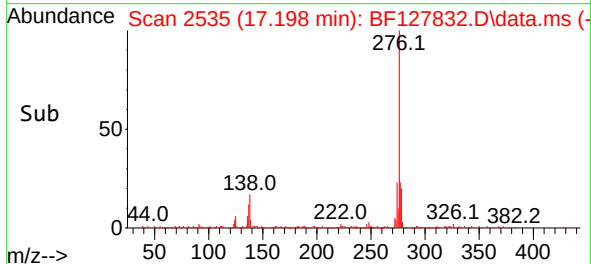
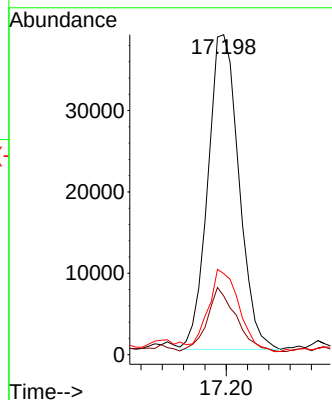
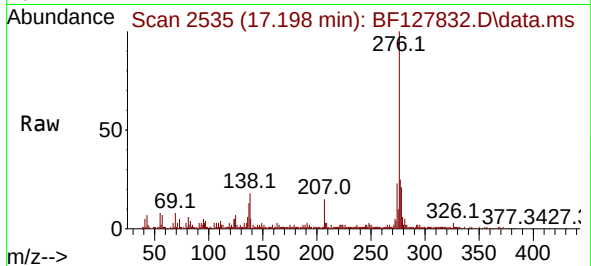




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.567 ng  
 RT: 17.198 min Scan# 2195  
 Delta R.T. -0.029 min  
 Lab File: BF127832.D  
 Acq: 18 Apr 2022 18:29

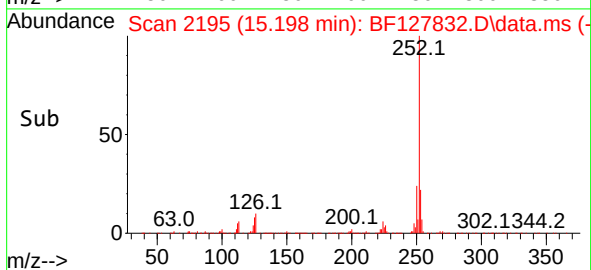
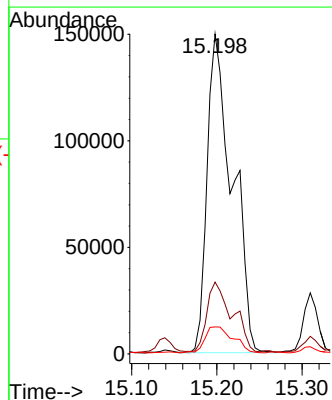
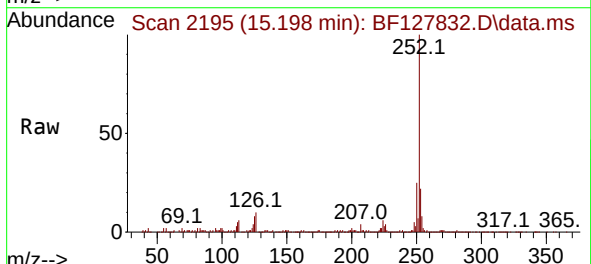
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3

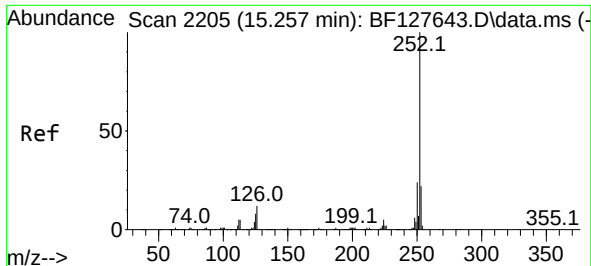
Tgt Ion:276 Resp: 78409  
 Ion Ratio Lower Upper  
 276 100  
 138 19.0 17.1 25.7  
 277 25.9 19.9 29.9



#88  
 Benzo(b)fluoranthene  
 Concen: 17.477 ng  
 RT: 15.198 min Scan# 2195  
 Delta R.T. -0.012 min  
 Lab File: BF127832.D  
 Acq: 18 Apr 2022 18:29

Tgt Ion:252 Resp: 308924  
 Ion Ratio Lower Upper  
 252 100  
 253 22.5 17.9 26.9  
 125 8.5 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 17.622 ng

RT: 15.198 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

Instrument :

BNA\_F

ClientSampleId :

SB-3

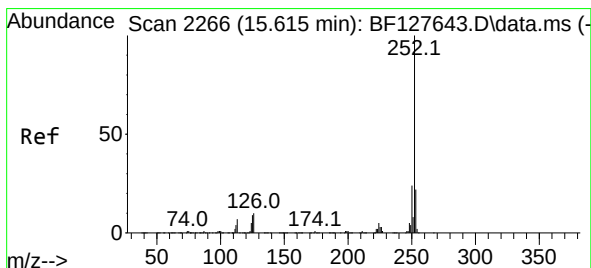
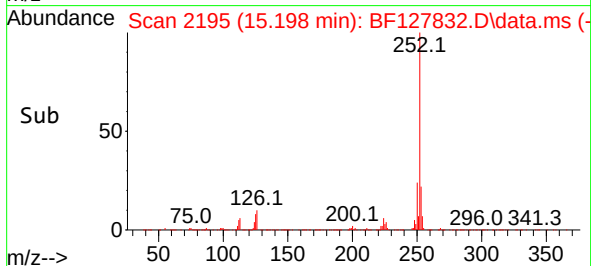
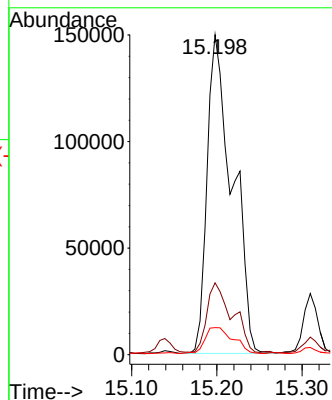
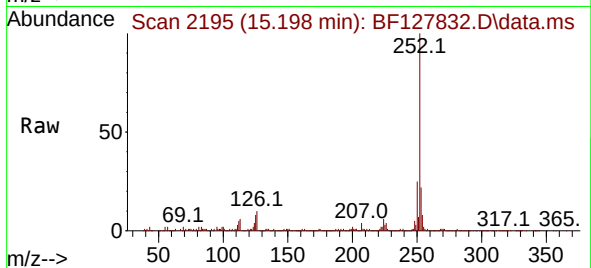
Tgt Ion:252 Resp: 308924

Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

125 8.5 6.9 10.3



#90

Benzo(a)pyrene

Concen: 10.922 ng

RT: 15.580 min Scan# 2260

Delta R.T. -0.018 min

Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

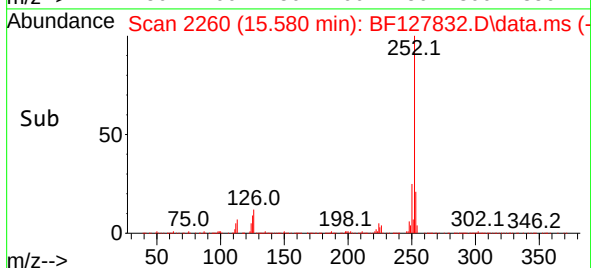
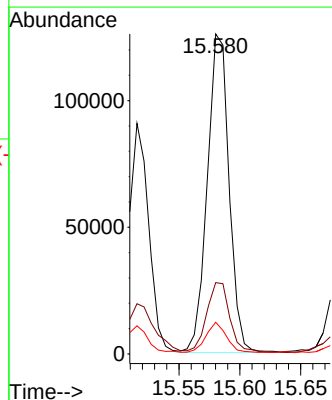
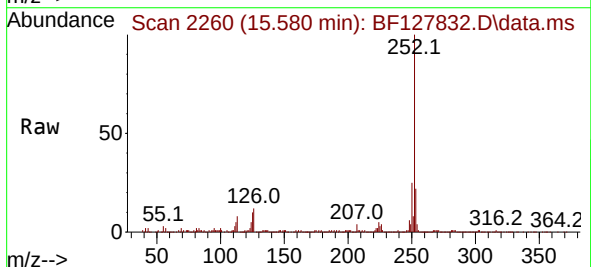
Tgt Ion:252 Resp: 156915

Ion Ratio Lower Upper

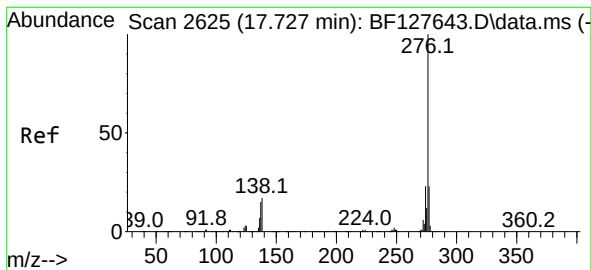
252 100

253 22.3 17.0 25.6

125 9.9 6.7 10.1







#92

Benzo(g,h,i)perylene

Concen: 5.724 ng

RT: 17.674 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF127832.D

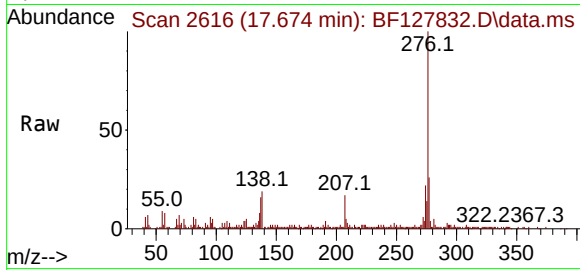
Acq: 18 Apr 2022 18:29

Instrument :

BNA\_F

ClientSampleId :

SB-3



Tgt Ion:276 Resp: 81625

Ion Ratio Lower Upper

276 100

277 25.5 19.0 28.4

138 19.1 14.6 22.0

