

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082422\  
 Data File : BF129992.D  
 Acq On : 25 Aug 2022 02:47  
 Operator : CG\JU  
 Sample : N4277-03  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 25 04:20:16 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 25 04:08:38 2022  
 Response via : Initial Calibration

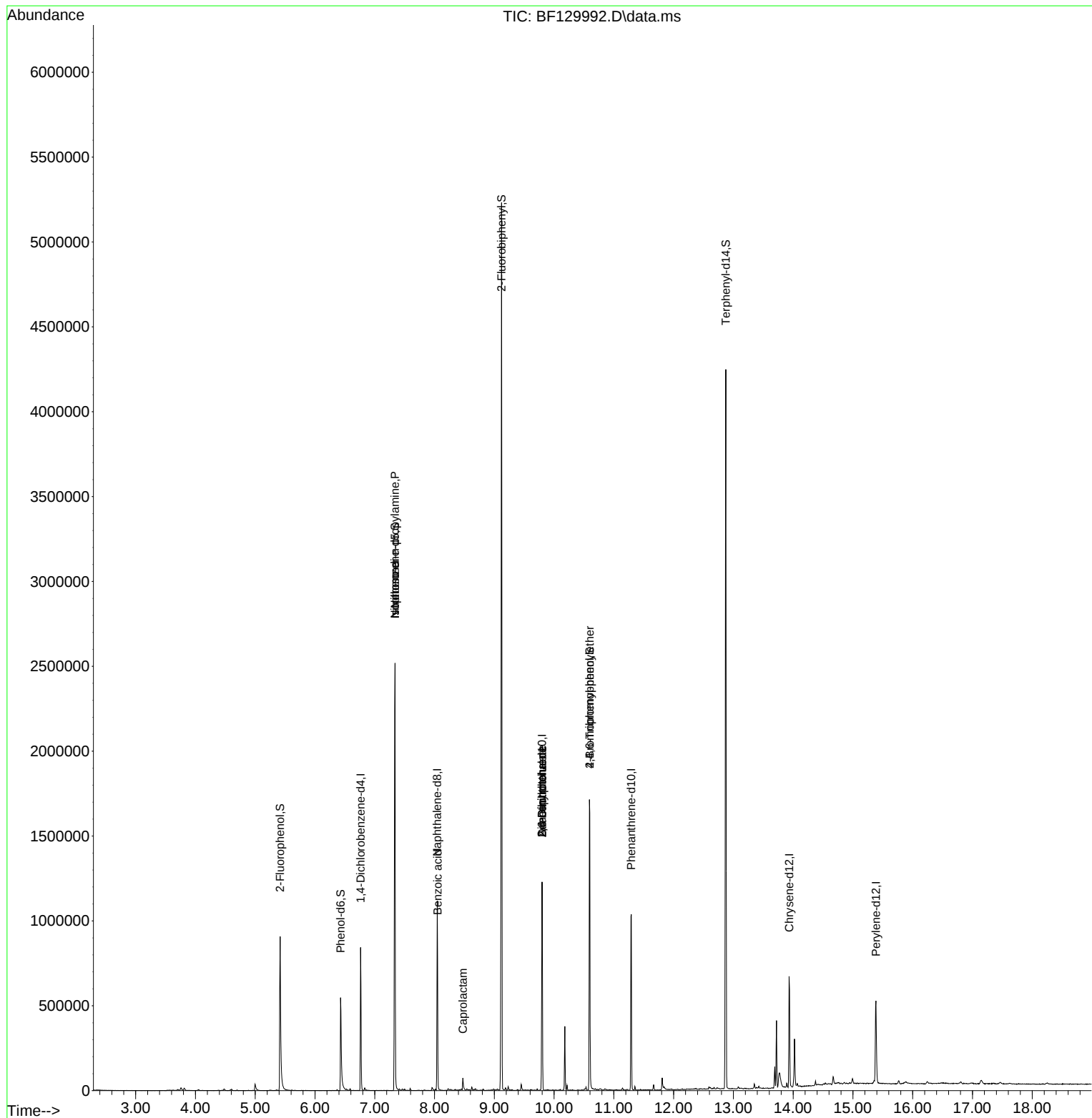
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.763  | 152  | 118606   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.045  | 136  | 463806   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.798  | 164  | 237587   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.292 | 188  | 378986   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 13.933 | 240  | 216223   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.386 | 264  | 220530   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.416  | 112  | 293436   | 40.963    | ng     | 0.01     |
| 7) Phenol-d6                  | 6.428  | 99   | 216833   | 24.171    | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.339  | 82   | 849433   | 98.040    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.598 | 330  | 196120   | 82.246    | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.122  | 172  | 1509658  | 96.507    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.874 | 244  | 1334185  | 102.672   | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.328  | 77   | 62       | Below Cal | #      | 16       |
| 19) n-Nitroso-di-n-propyla... | 7.339  | 70   | 115965   | 20.451    | ng     | # 77     |
| 25) Isophorone                | 7.339  | 82   | 849423   | 56.961    | ng     | # 65     |
| 32) Benzoic acid              | 8.051  | 122  | 118      | 2.205     | ng     | # 1      |
| 35) Caprolactam               | 8.475  | 113  | 7395     | 3.529     | ng     | # 82     |
| 50) Dimethylphthalate         | 9.798  | 163  | 40546    | 2.381     | ng     | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.798  | 165  | 30638    | 8.293     | ng     | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.798  | 165  | 30638    | 6.388     | ng     | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.598 | 248  | 12201    | 2.749     | ng     | # 1      |
| 77) Benzidine                 | 12.874 | 184  | 19469    | Below Cal | #      | 95       |
| -----                         |        |      |          |           |        |          |

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

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Operator : CG\JU  
Sample : N4277-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

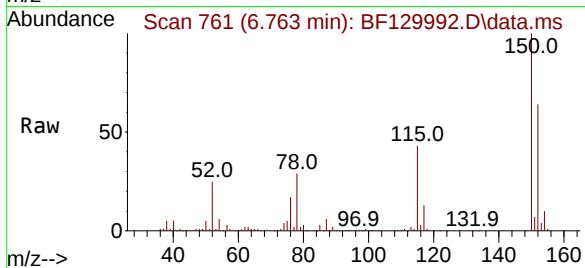
Quant Time: Aug 25 04:20:16 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 25 04:08:38 2022  
Response via : Initial Calibration



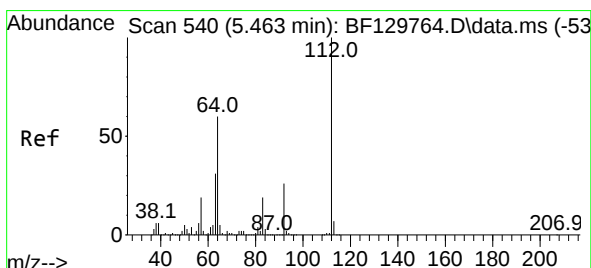
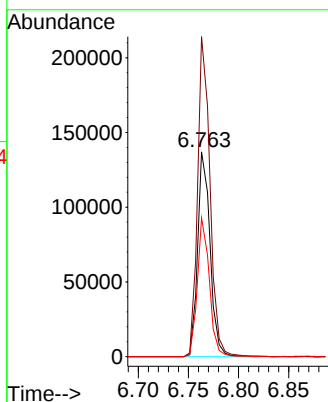
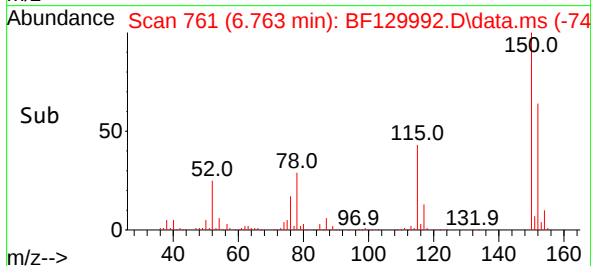


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.763 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF129992.D  
Acq: 25 Aug 2022 02:47

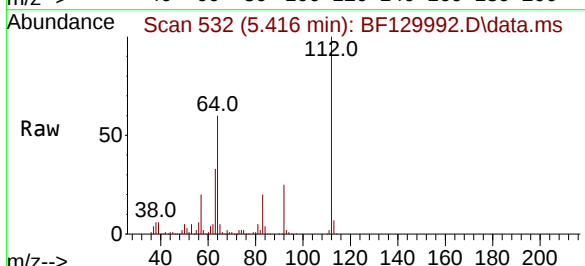
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BNA\_F  
ClientSampleId :



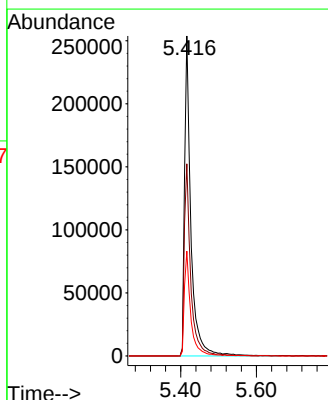
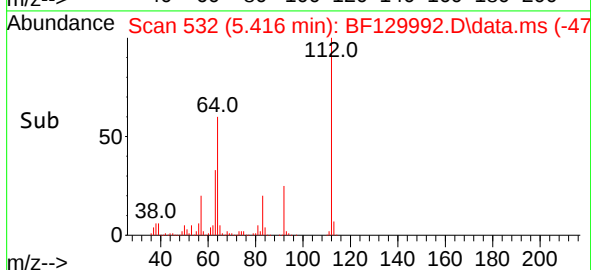
Tgt Ion:152 Resp: 118606  
Ion Ratio Lower Upper  
152 100  
150 156.2 126.9 190.3  
115 67.7 53.4 80.0

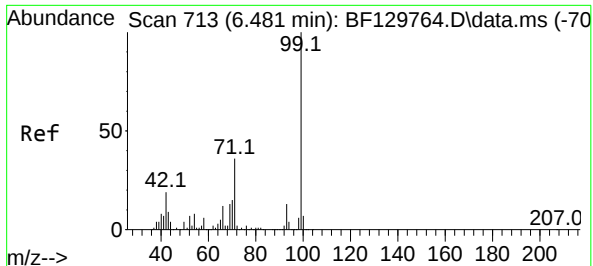


#5  
2-Fluorophenol  
Concen: 40.963 ng  
RT: 5.416 min Scan# 532  
Delta R.T. 0.012 min  
Lab File: BF129992.D  
Acq: 25 Aug 2022 02:47



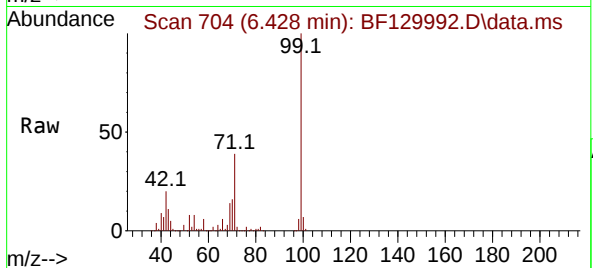
Tgt Ion:112 Resp: 293436  
Ion Ratio Lower Upper  
112 100  
64 60.1 47.6 71.4  
63 32.7 24.6 37.0



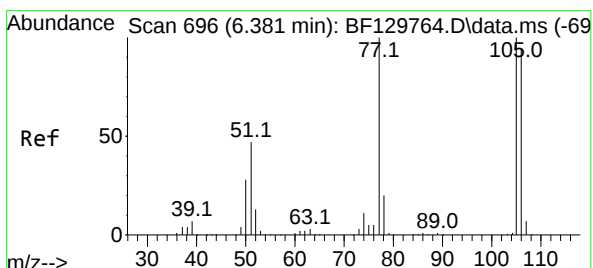
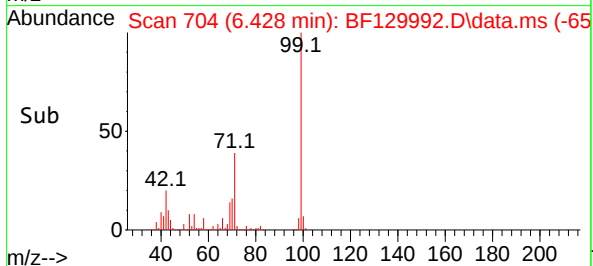
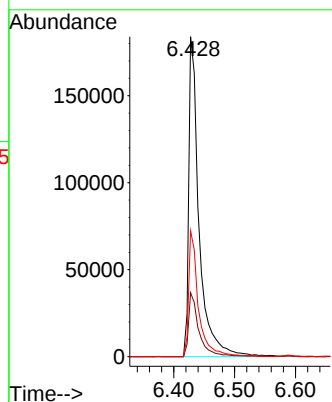


#7  
Phenol-d6  
Concen: 24.171 ng  
RT: 6.428 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: BF129992.D  
Acq: 25 Aug 2022 02:47

Instrument :  
BNA\_F  
ClientSampleId :

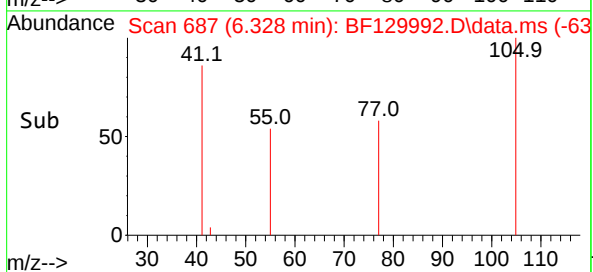
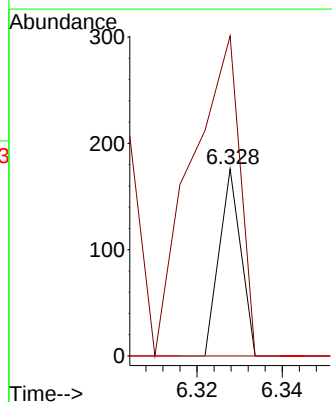
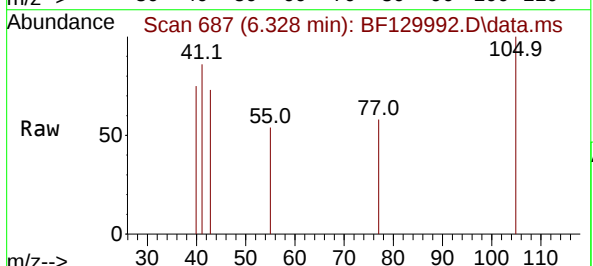


Tgt Ion: 99 Resp: 216833  
Ion Ratio Lower Upper  
99 100  
42 20.0 15.0 22.4  
71 39.3 28.8 43.2



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.328 min Scan# 687  
Delta R.T. -0.000 min  
Lab File: BF129992.D  
Acq: 25 Aug 2022 02:47

Tgt Ion: 77 Resp: 62  
Ion Ratio Lower Upper  
77 100  
105 171.0 80.3 120.3#  
106 0.0 74.3 114.3#

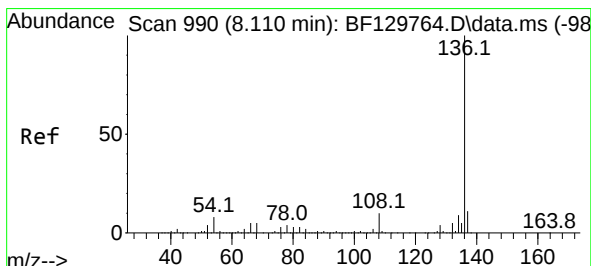
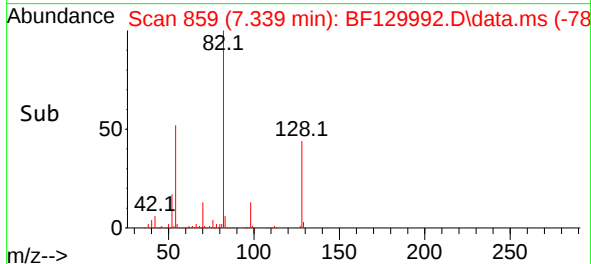
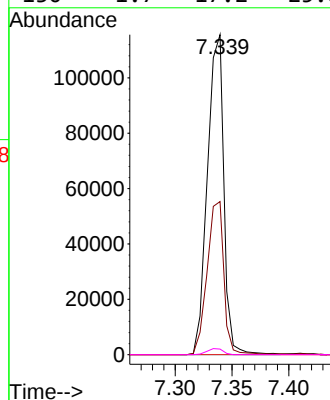
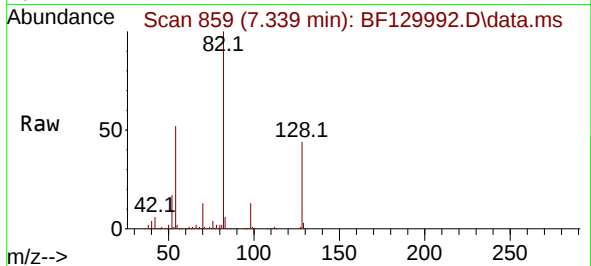




#19  
n-Nitroso-di-n-propylamine  
Concen: 20.451 ng  
RT: 7.339 min Scan# 811  
Delta R.T. 0.153 min  
Lab File: BF129992.D  
Acq: 25 Aug 2022 02:47

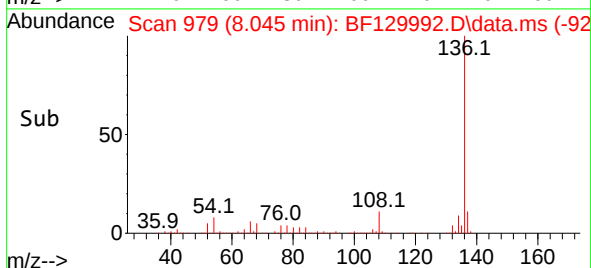
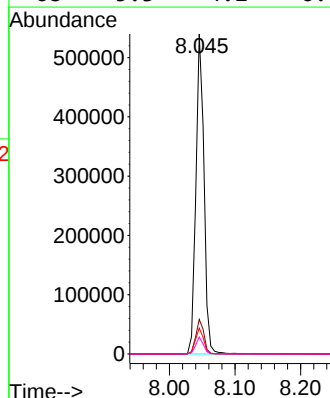
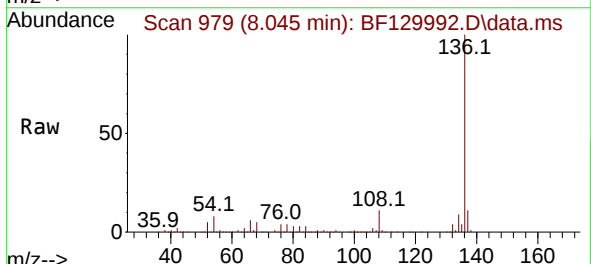
Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion: 70 Resp: 115965  
Ion Ratio Lower Upper  
70 100  
42 47.9 47.6 71.4  
101 0.0 8.1 12.1#  
130 1.7 17.2 25.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.045 min Scan# 979  
Delta R.T. -0.006 min  
Lab File: BF129992.D  
Acq: 25 Aug 2022 02:47

Tgt Ion: 136 Resp: 463806  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.4 12.6  
54 8.1 6.2 9.2  
68 5.3 4.2 6.4

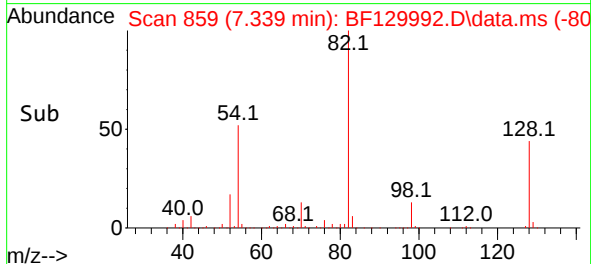
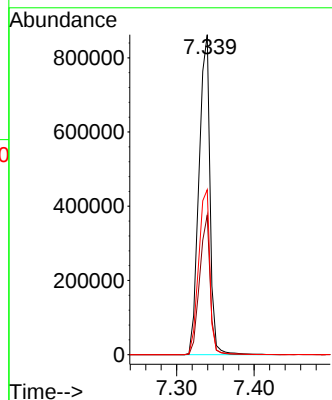
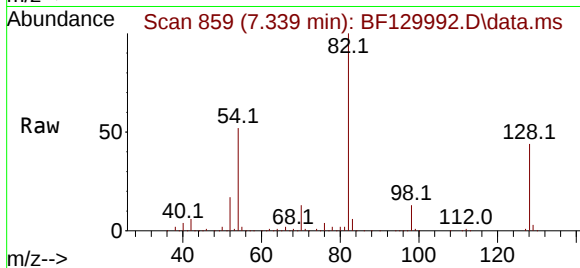




#23  
Nitrobenzene-d5  
Concen: 98.040 ng  
RT: 7.339 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF129992.D  
Acq: 25 Aug 2022 02:47

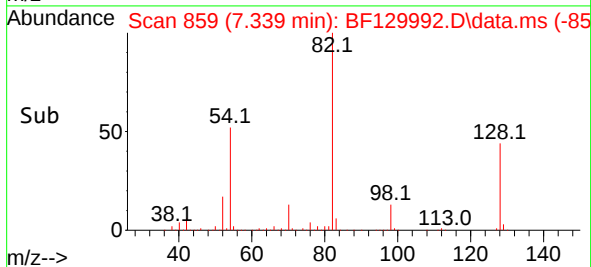
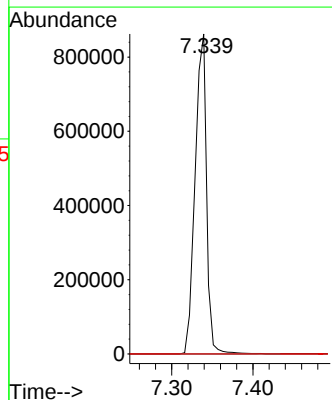
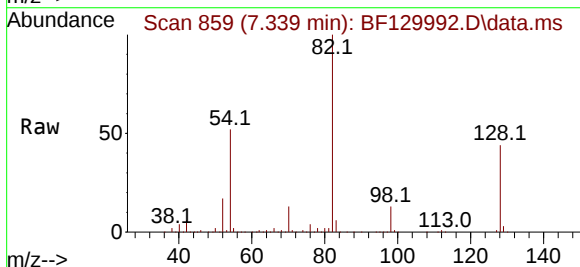
Instrument :  
BNA\_F  
ClientSampleId :

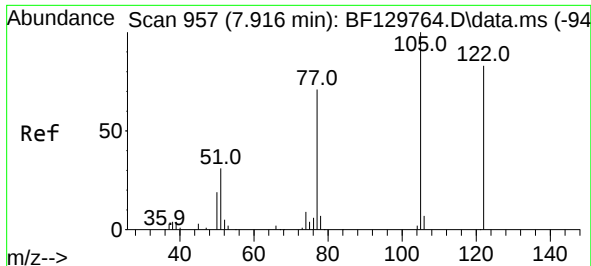
Tgt Ion: 82 Resp: 849433  
Ion Ratio Lower Upper  
82 100  
128 43.6 36.1 54.1  
54 51.6 40.0 60.0



#25  
Isophorone  
Concen: 56.961 ng  
RT: 7.339 min Scan# 859  
Delta R.T. -0.259 min  
Lab File: BF129992.D  
Acq: 25 Aug 2022 02:47

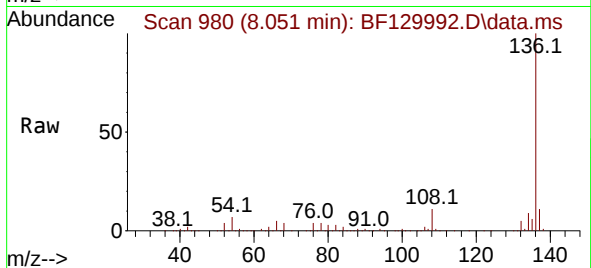
Tgt Ion: 82 Resp: 849423  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.6 21.8#



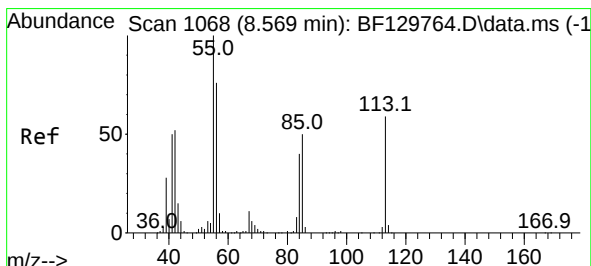
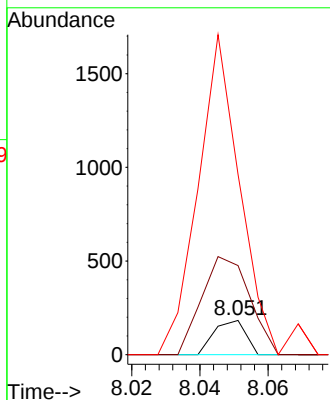
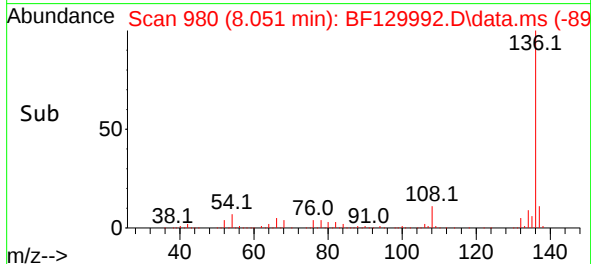


#32  
Benzoic acid  
Concen: 2.205 ng  
RT: 8.051 min Scan# 91  
Delta R.T. 0.176 min  
Lab File: BF129992.D  
Acq: 25 Aug 2022 02:47

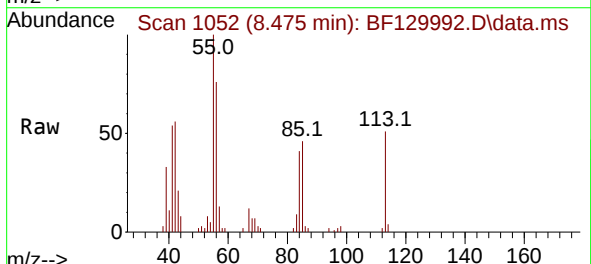
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BNA\_F  
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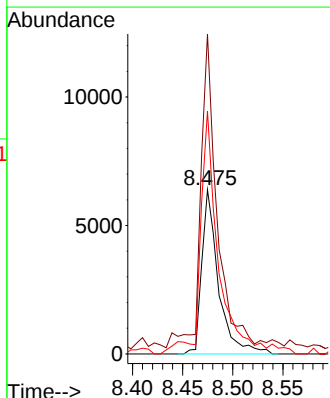
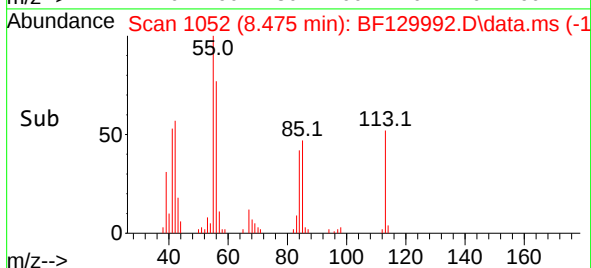
Tgt Ion:122 Resp: 118  
Ion Ratio Lower Upper  
122 100  
105 260.1 99.9 139.9#  
77 526.2 65.9 105.9#

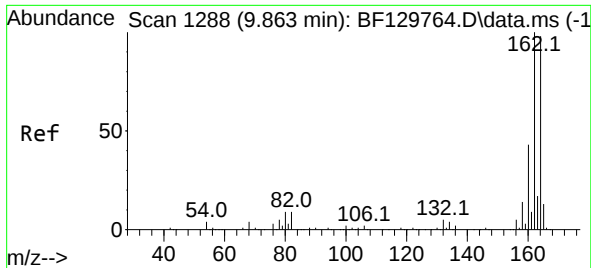


#35  
Caprolactam  
Concen: 3.529 ng  
RT: 8.475 min Scan# 1052  
Delta R.T. -0.041 min  
Lab File: BF129992.D  
Acq: 25 Aug 2022 02:47



Tgt Ion:113 Resp: 7395  
Ion Ratio Lower Upper  
113 100  
55 194.7 148.8 188.8#  
56 147.8 109.1 149.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.798 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129992.D

Acq: 25 Aug 2022 02:47

Instrument :

BNA\_F

ClientSampleId :

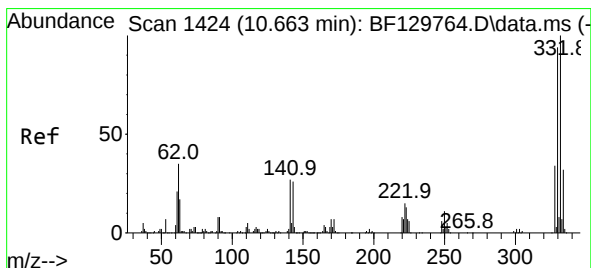
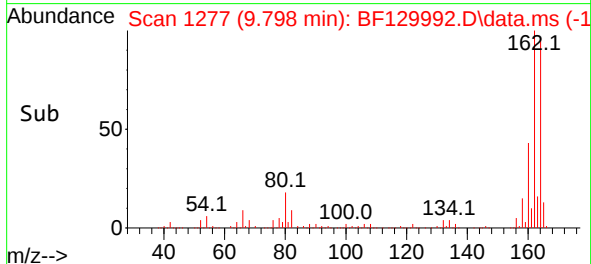
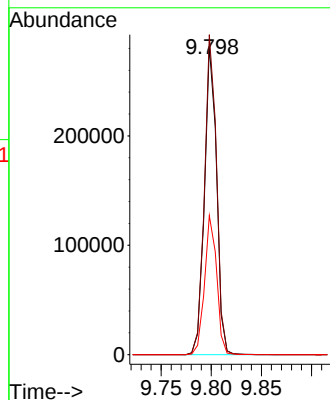
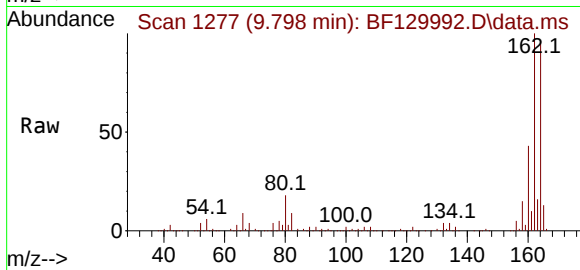
Tgt Ion:164 Resp: 237587

Ion Ratio Lower Upper

164 100

162 103.8 82.0 123.0

160 45.1 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 82.246 ng

RT: 10.598 min Scan# 1413

Delta R.T. -0.006 min

Lab File: BF129992.D

Acq: 25 Aug 2022 02:47

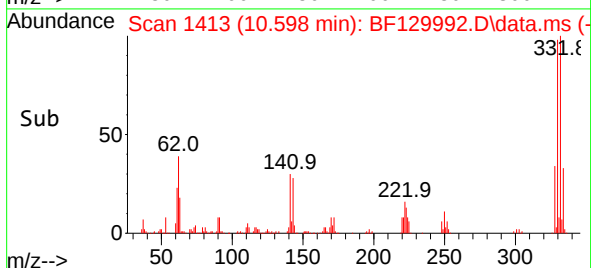
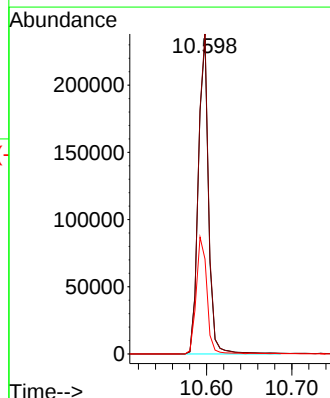
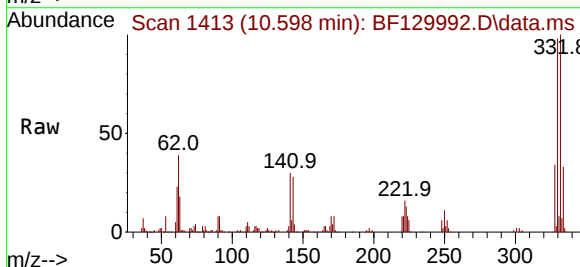
Tgt Ion:330 Resp: 196120

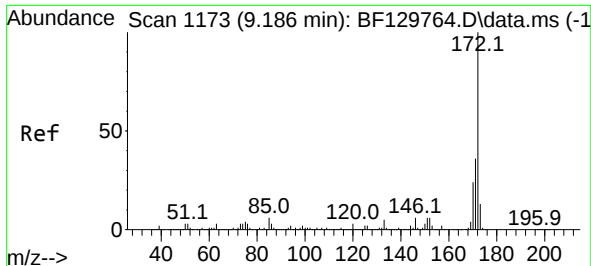
Ion Ratio Lower Upper

330 100

332 101.5 82.6 124.0

141 38.4 27.6 41.4





#45

2-Fluorobiphenyl

Concen: 96.507 ng

RT: 9.122 min Scan# 1173

Delta R.T. -0.006 min

Lab File: BF129992.D

Acq: 25 Aug 2022 02:47

Instrument :

BNA\_F

ClientSampleId :

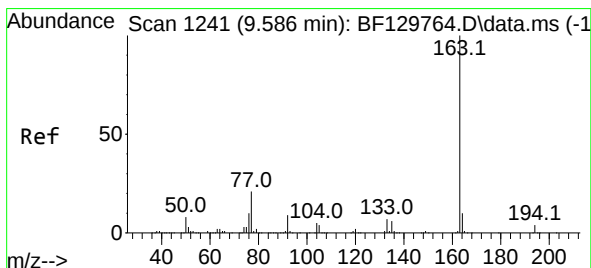
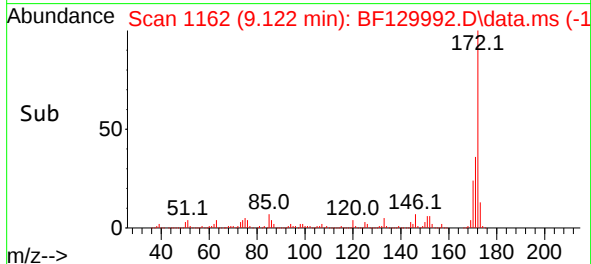
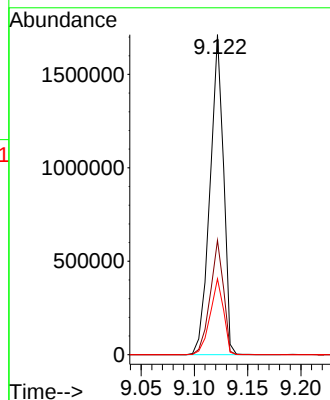
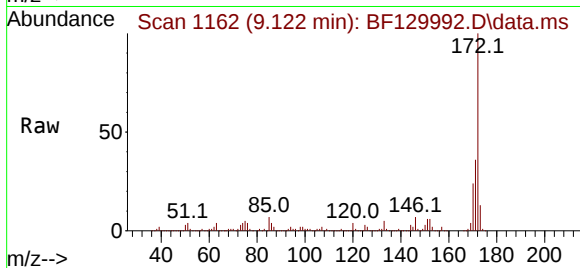
Tgt Ion:172 Resp: 1509658

Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

170 23.7 19.1 28.7



#50

Dimethylphthalate

Concen: 2.381 ng

RT: 9.798 min Scan# 1277

Delta R.T. 0.265 min

Lab File: BF129992.D

Acq: 25 Aug 2022 02:47

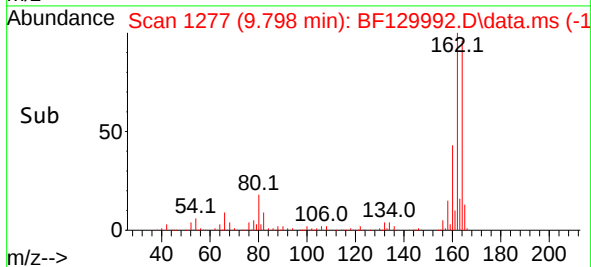
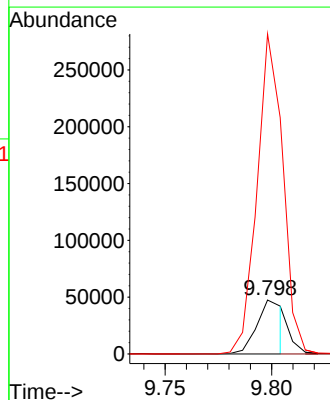
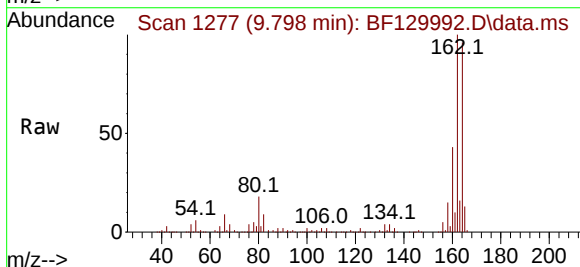
Tgt Ion:163 Resp: 40546

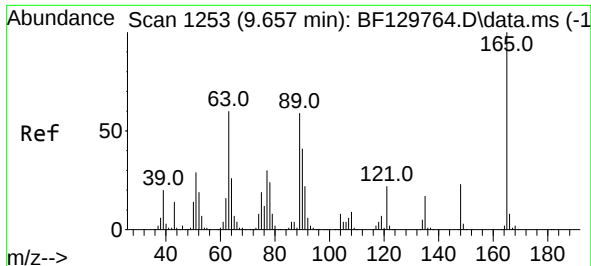
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 592.8 8.2 12.2#





#51

2,6-Dinitrotoluene

Concen: 8.293 ng

RT: 9.798 min Scan# 1

Delta R.T. 0.194 min

Lab File: BF129992.D

Acq: 25 Aug 2022 02:47

Instrument :

BNA\_F

ClientSampleId :

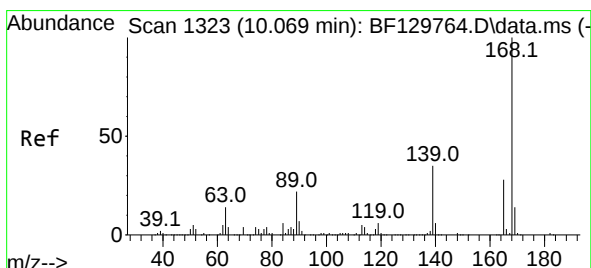
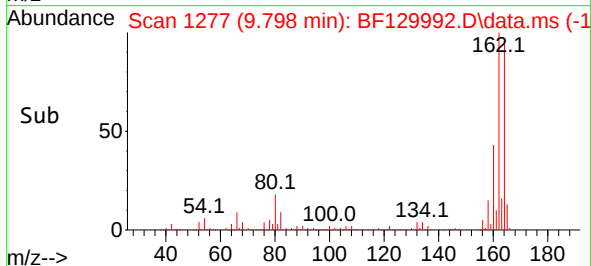
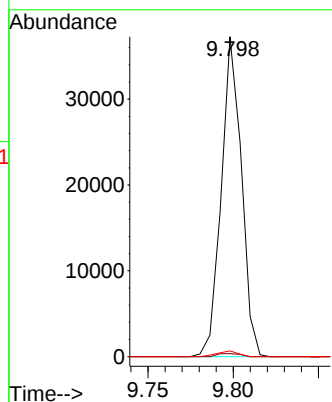
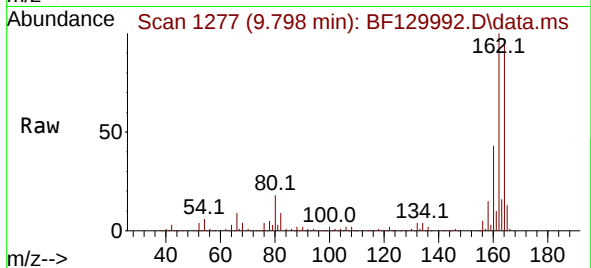
Tgt Ion:165 Resp: 30638

Ion Ratio Lower Upper

165 100

63 0.9 47.8 71.8#

89 1.8 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 6.388 ng

RT: 9.798 min Scan# 1277

Delta R.T. -0.218 min

Lab File: BF129992.D

Acq: 25 Aug 2022 02:47

Tgt Ion:165 Resp: 30638

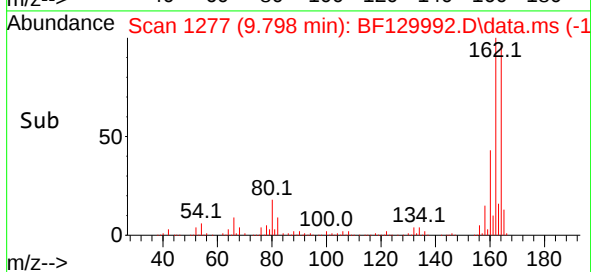
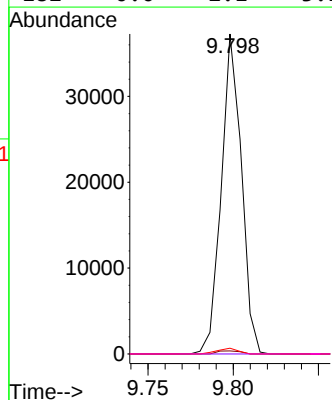
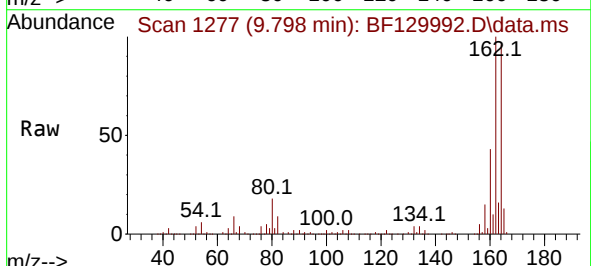
Ion Ratio Lower Upper

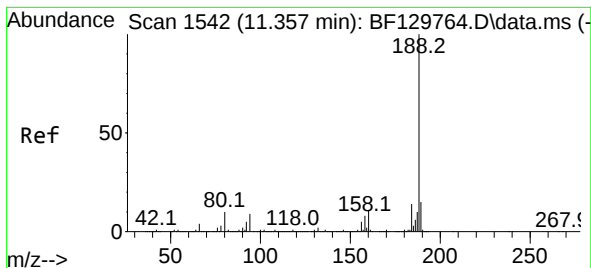
165 100

63 0.9 48.4 72.6#

89 1.8 62.3 93.5#

182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.292 min Scan# 11

Delta R.T. -0.000 min

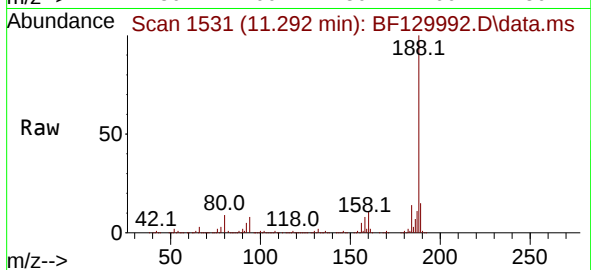
Lab File: BF129992.D

Acq: 25 Aug 2022 02:47

Instrument :

BNA\_F

ClientSampleId :



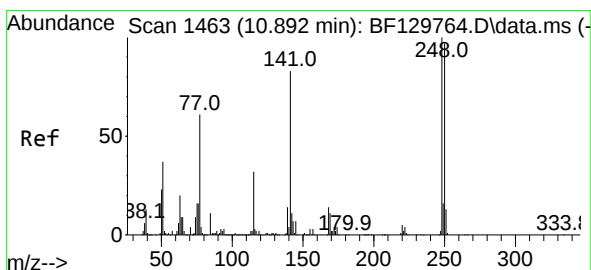
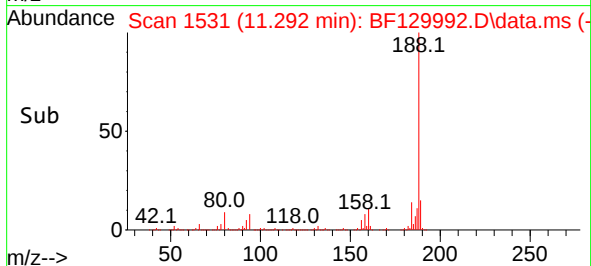
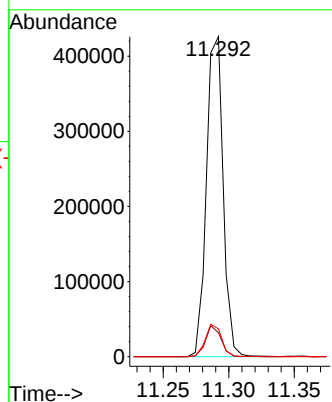
Tgt Ion:188 Resp: 378986

Ion Ratio Lower Upper

188 100

94 7.5 7.4 11.2

80 8.7 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 2.749 ng

RT: 10.598 min Scan# 1413

Delta R.T. -0.235 min

Lab File: BF129992.D

Acq: 25 Aug 2022 02:47

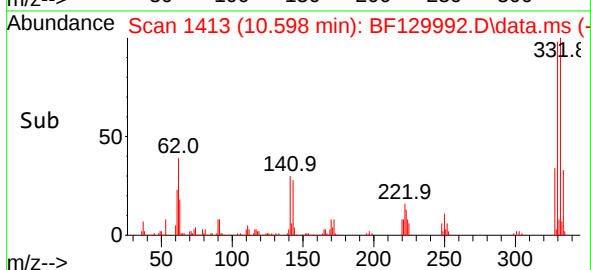
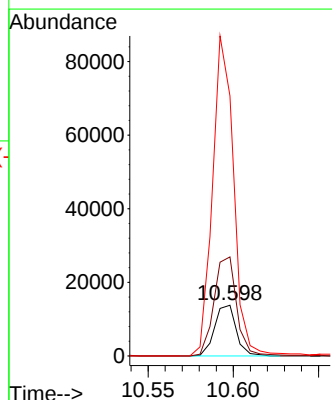
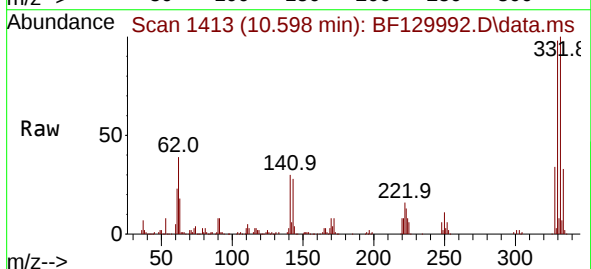
Tgt Ion:248 Resp: 12201

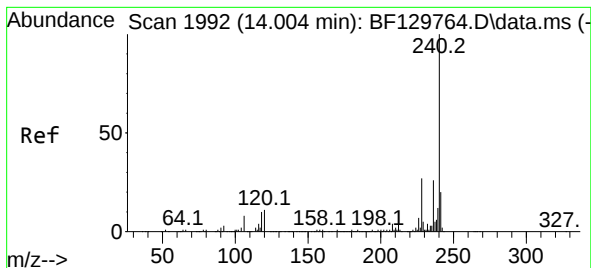
Ion Ratio Lower Upper

248 100

250 195.4 77.8 116.6#

141 513.3 66.2 99.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 1992

Delta R.T. -0.006 min

Lab File: BF129992.D

Acq: 25 Aug 2022 02:47

Instrument :

BNA\_F

ClientSampleId :

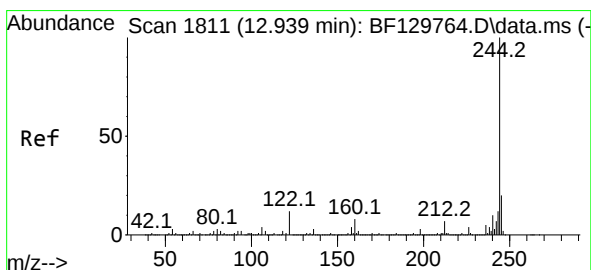
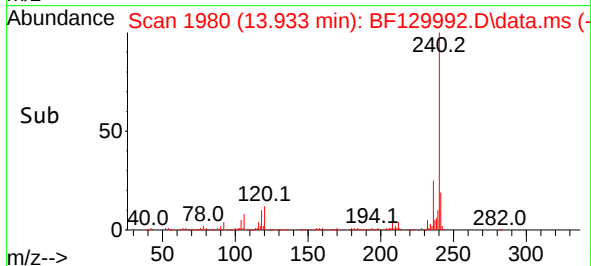
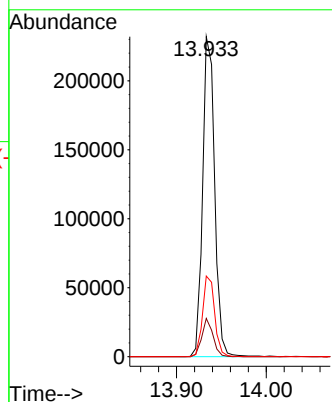
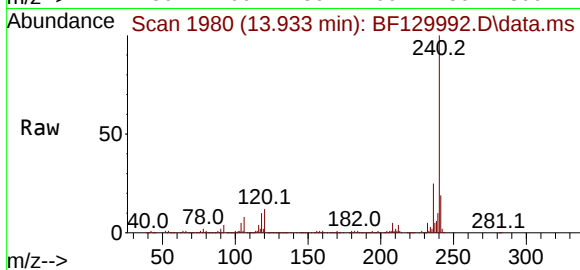
Tgt Ion:240 Resp: 216223

Ion Ratio Lower Upper

240 100

120 11.9 9.2 13.8

236 25.2 20.7 31.1



#79

Terphenyl-d14

Concen: 102.672 ng

RT: 12.874 min Scan# 1800

Delta R.T. -0.000 min

Lab File: BF129992.D

Acq: 25 Aug 2022 02:47

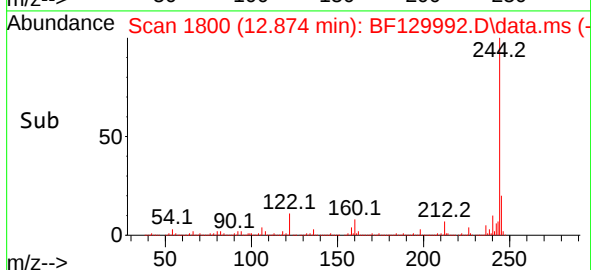
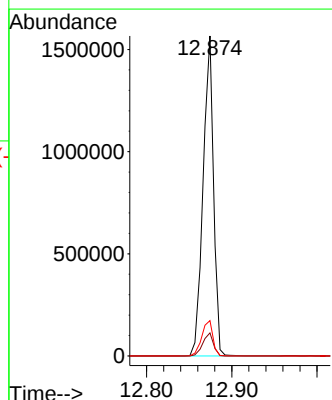
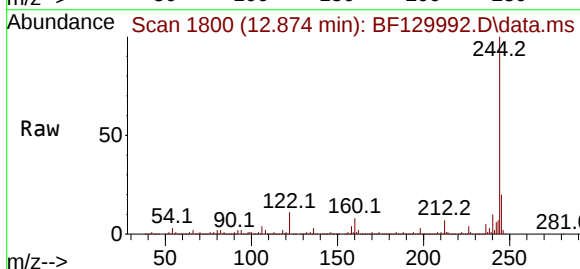
Tgt Ion:244 Resp: 1334185

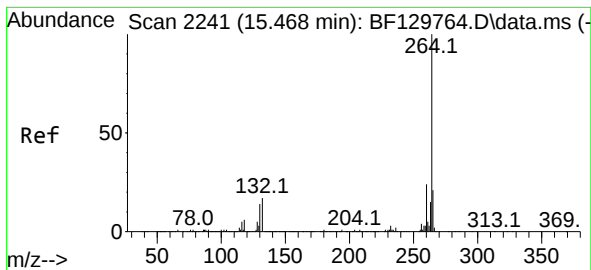
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 11.0 9.9 14.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.000 min

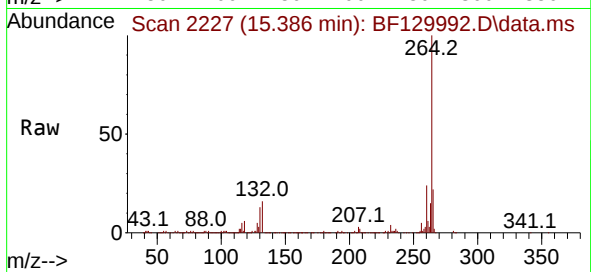
Lab File: BF129992.D

Acq: 25 Aug 2022 02:47

Instrument :

BNA\_F

ClientSampleId :



Tgt Ion:264 Resp: 220530

Ion Ratio Lower Upper

264 100

260 24.5 19.1 28.7

265 21.8 16.7 25.1

