

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081622\  
 Data File : BF129804.D  
 Acq On : 16 Aug 2022 11:13  
 Operator : CG\JU  
 Sample : N4171-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-303-20220810

Quant Time: Aug 17 02:53:09 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 15 02:28:31 2022  
 Response via : Initial Calibration

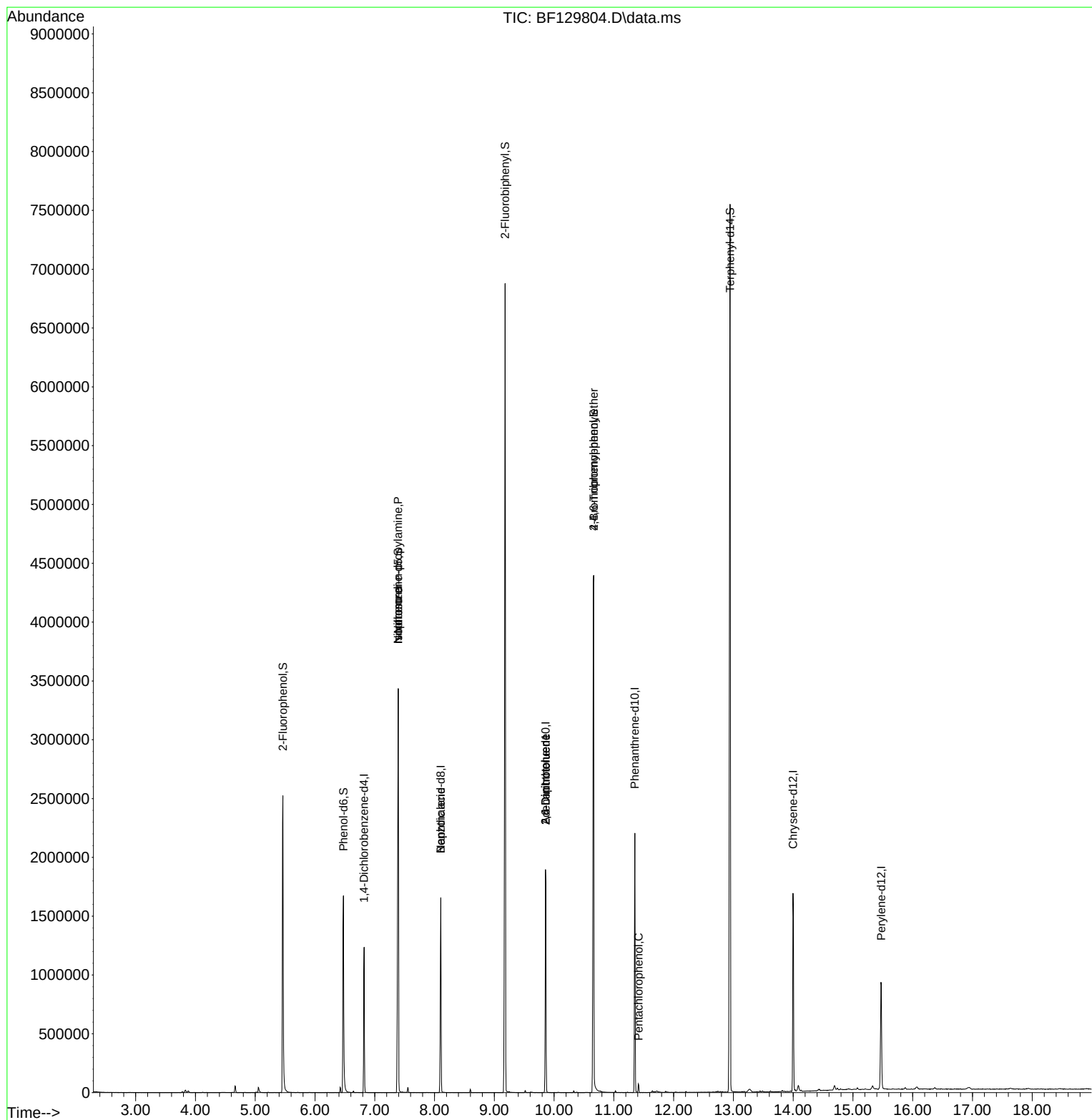
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 178364   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 740619   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 408002   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.351 | 188  | 727462   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 13.998 | 240  | 568211   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.474 | 264  | 427554   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.463  | 112  | 752731   | 69.874    | ng     | 0.00     |
| 7) Phenol-d6                  | 6.475  | 99   | 596979   | 44.252    | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.392  | 82   | 1276820  | 92.288    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 636975   | 155.553   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.180  | 172  | 2378735  | 88.549    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.945 | 244  | 2891988  | 84.688    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.475  | 77   | 870      | Below Cal | #      | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.392  | 70   | 172578   | 20.239    | ng     | # 77     |
| 25) Isophorone                | 7.392  | 82   | 1276804  | 53.619    | ng     | # 65     |
| 32) Benzoic acid              | 8.104  | 122  | 171      | 2.200     | ng     | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.857  | 165  | 53235    | 8.391     | ng     | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.857  | 165  | 53235    | 6.464     | ng     | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.663 | 248  | 40143    | 4.711     | ng     | # 1      |
| 70) Pentachlorophenol         | 11.416 | 266  | 54       | 5.200     | ng     | # 20     |
| 77) Benzidine                 | 12.945 | 184  | 39802    | Below Cal | #      | 93       |
| -----                         |        |      |          |           |        |          |

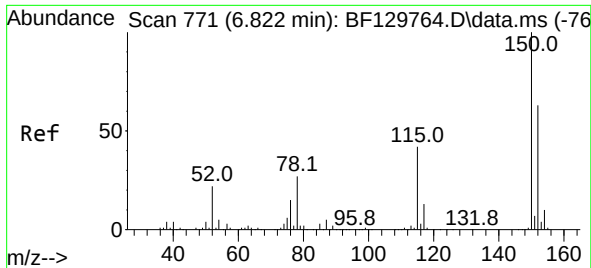
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081622\  
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Quant Time: Aug 17 02:53:09 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 15 02:28:31 2022  
Response via : Initial Calibration

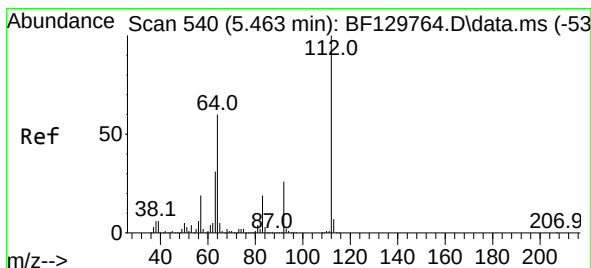
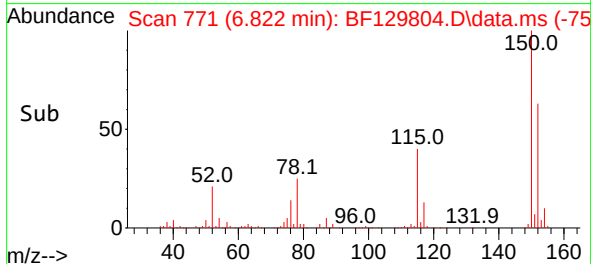
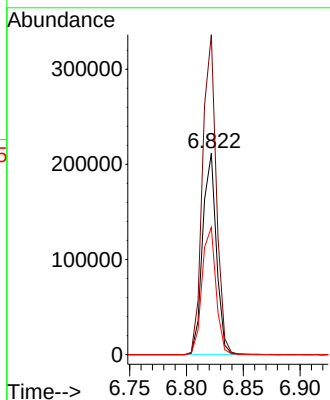
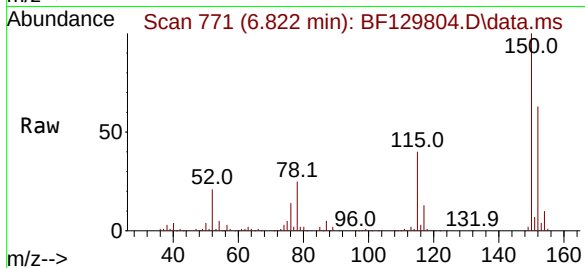




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 771  
Delta R.T. -0.000 min  
Lab File: BF129804.D  
Acq: 16 Aug 2022 11:13

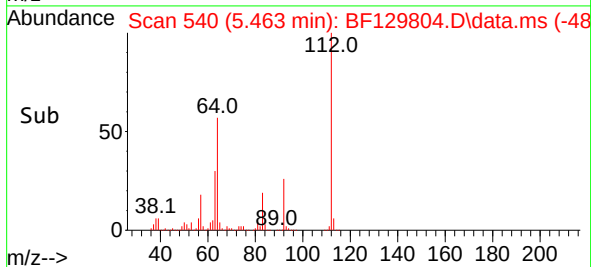
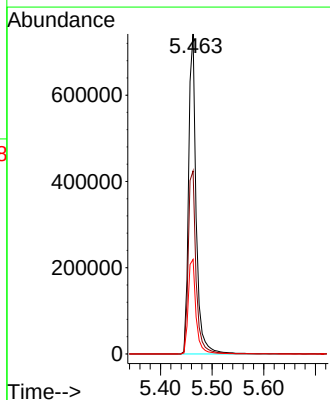
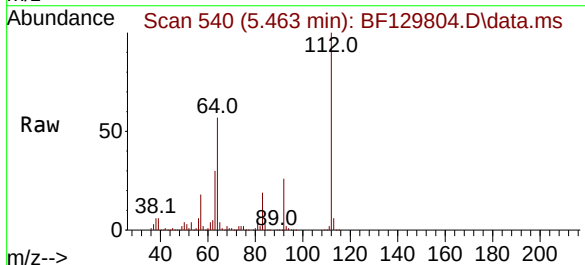
Instrument :  
BNA\_F  
ClientSampleId :  
SP-303-20220810

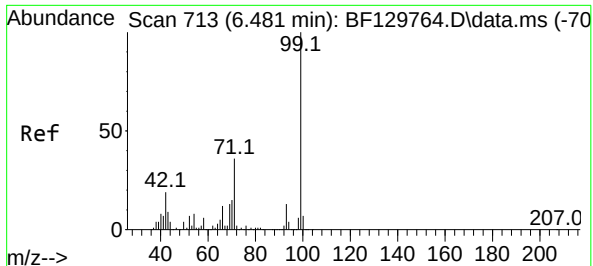
Tgt Ion:152 Resp: 178364  
Ion Ratio Lower Upper  
152 100  
150 159.0 126.9 190.3  
115 63.3 53.4 80.0



#5  
2-Fluorophenol  
Concen: 69.874 ng  
RT: 5.463 min Scan# 540  
Delta R.T. -0.000 min  
Lab File: BF129804.D  
Acq: 16 Aug 2022 11:13

Tgt Ion:112 Resp: 752731  
Ion Ratio Lower Upper  
112 100  
64 57.2 47.6 71.4  
63 29.5 24.6 37.0

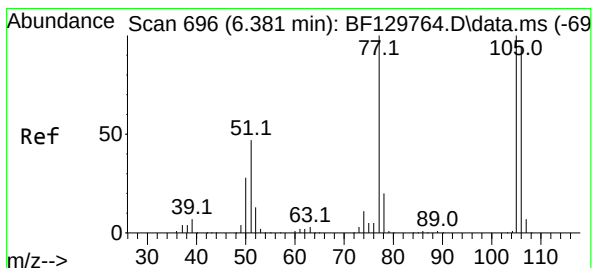
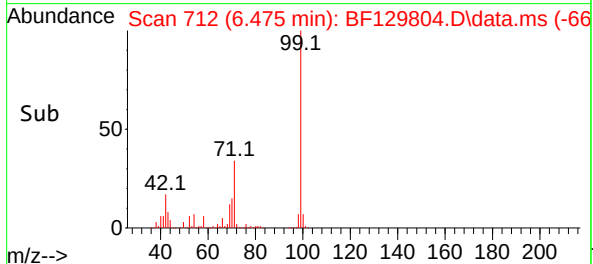
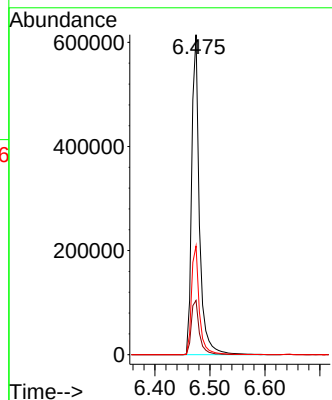
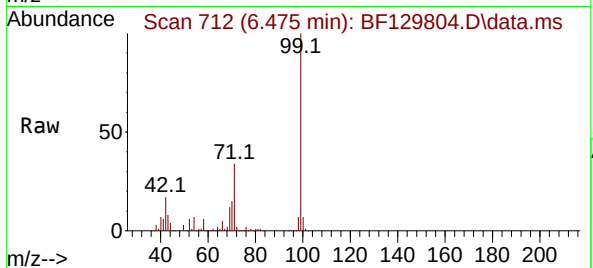




#7  
Phenol-d6  
Concen: 44.252 ng  
RT: 6.475 min Scan# 712  
Delta R.T. -0.006 min  
Lab File: BF129804.D  
Acq: 16 Aug 2022 11:13

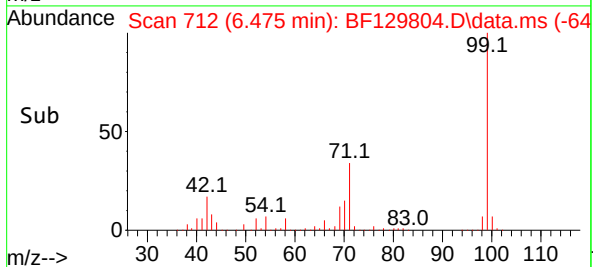
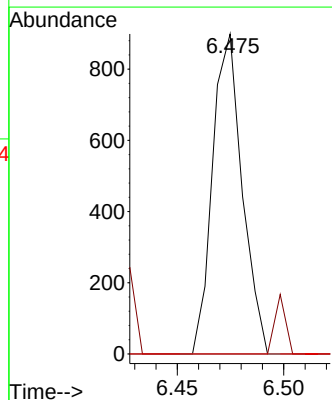
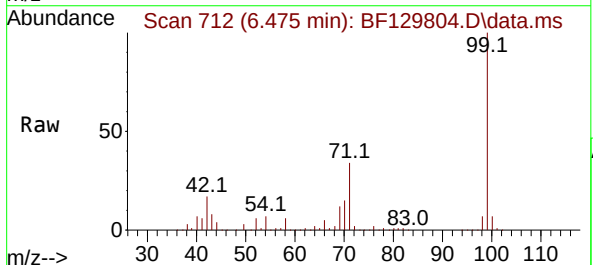
Instrument :  
BNA\_F  
ClientSampleId :  
SP-303-20220810

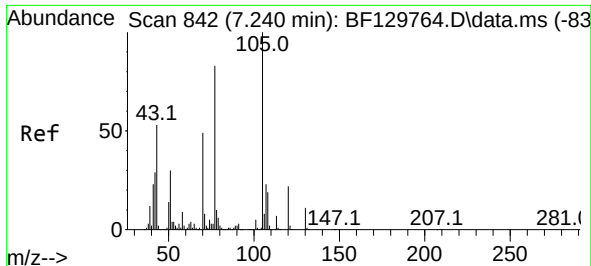
Tgt Ion: 99 Resp: 596979  
Ion Ratio Lower Upper  
99 100  
42 16.9 15.0 22.4  
71 34.0 28.8 43.2



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.475 min Scan# 712  
Delta R.T. 0.094 min  
Lab File: BF129804.D  
Acq: 16 Aug 2022 11:13

Tgt Ion: 77 Resp: 870  
Ion Ratio Lower Upper  
77 100  
105 0.0 80.3 120.3#  
106 0.0 74.3 114.3#





#19

n-Nitroso-di-n-propylamine

Concen: 20.239 ng

RT: 7.392 min Scan# 80

Delta R.T. 0.153 min

Lab File: BF129804.D

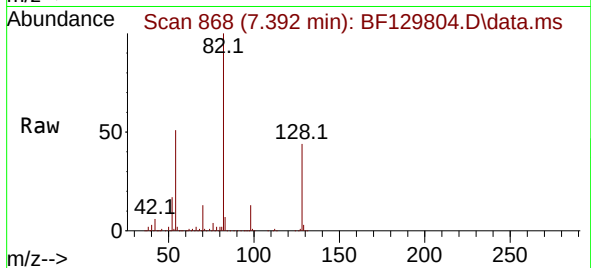
Acq: 16 Aug 2022 11:13

Instrument :

BNA\_F

ClientSampleId :

SP-303-20220810



Tgt Ion: 70 Resp: 172578

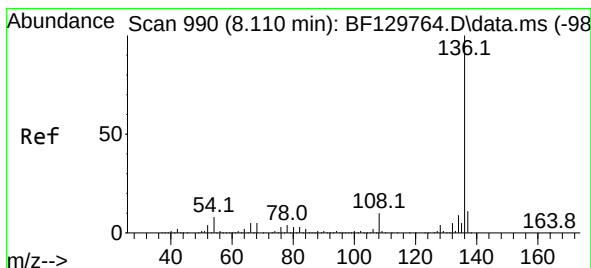
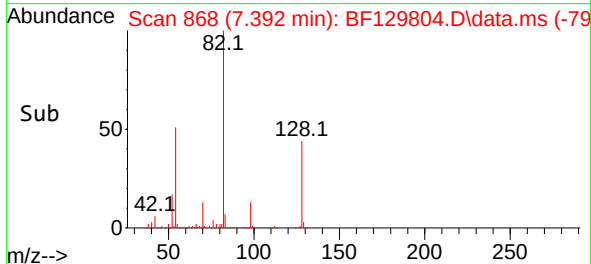
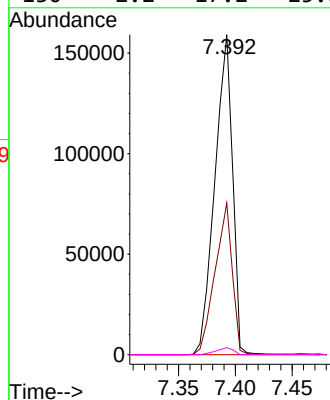
Ion Ratio Lower Upper

70 100

42 47.4 47.6 71.4#

101 0.0 8.1 12.1#

130 2.2 17.2 25.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 989

Delta R.T. -0.006 min

Lab File: BF129804.D

Acq: 16 Aug 2022 11:13

Tgt Ion: 136 Resp: 740619

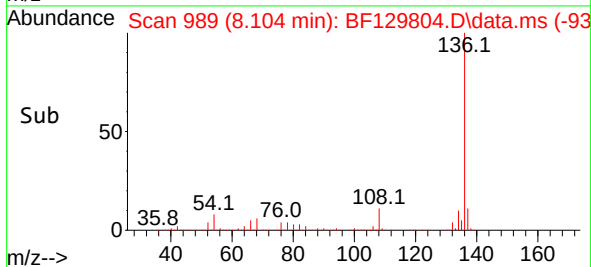
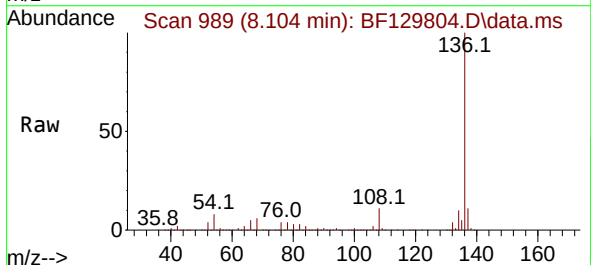
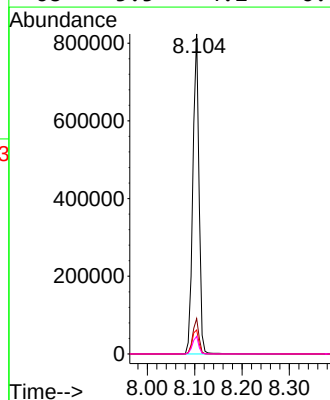
Ion Ratio Lower Upper

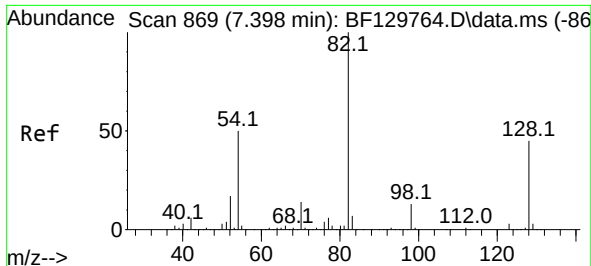
136 100

137 11.0 8.4 12.6

54 7.5 6.2 9.2

68 5.5 4.2 6.4





#23

Nitrobenzene-d5

Concen: 92.288 ng

RT: 7.392 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF129804.D

Acq: 16 Aug 2022 11:13

Instrument :

BNA\_F

ClientSampleId :

SP-303-20220810

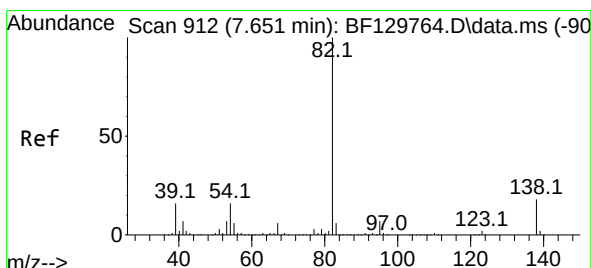
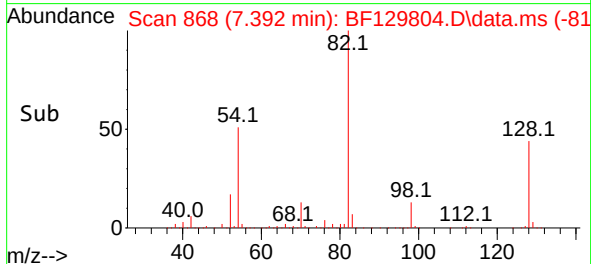
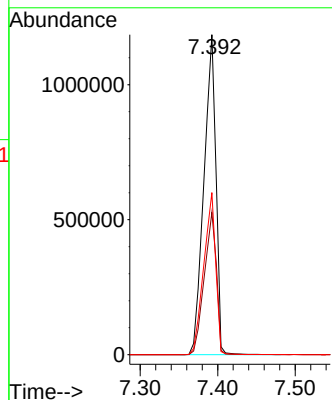
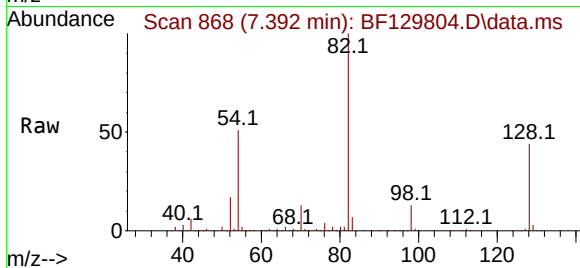
Tgt Ion: 82 Resp: 1276820

Ion Ratio Lower Upper

82 100

128 44.4 36.1 54.1

54 50.7 40.0 60.0



#25

Isophorone

Concen: 53.619 ng

RT: 7.392 min Scan# 868

Delta R.T. -0.259 min

Lab File: BF129804.D

Acq: 16 Aug 2022 11:13

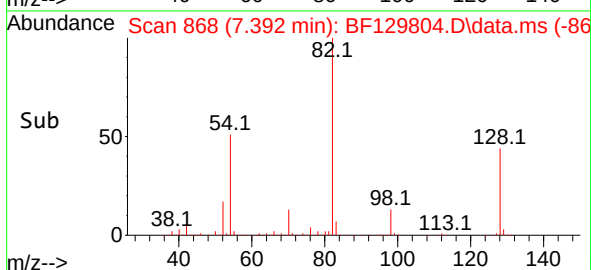
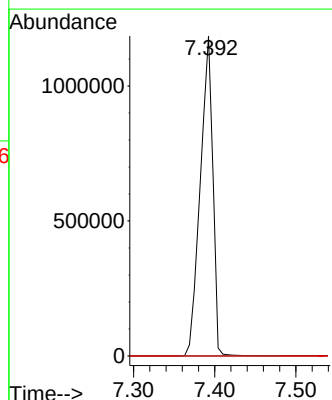
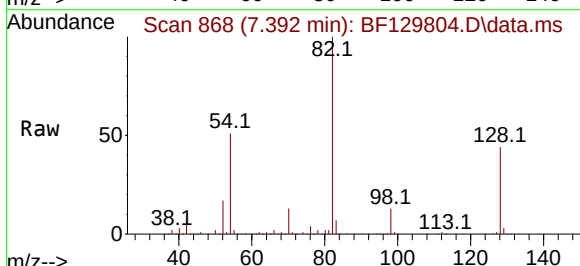
Tgt Ion: 82 Resp: 1276804

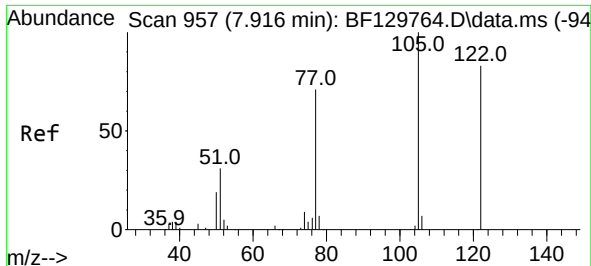
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.6 21.8#

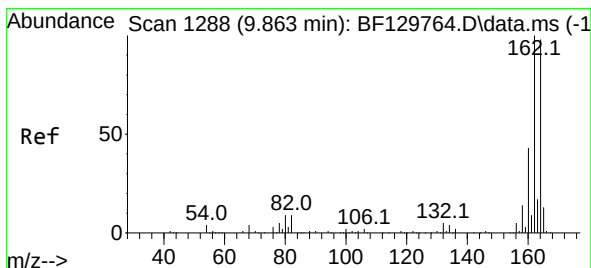
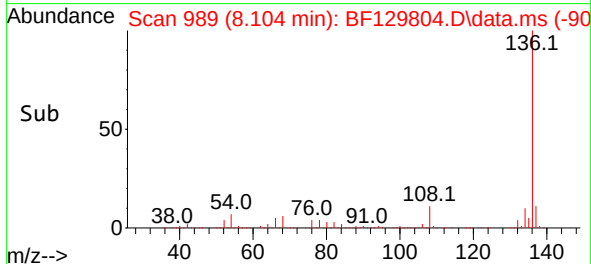
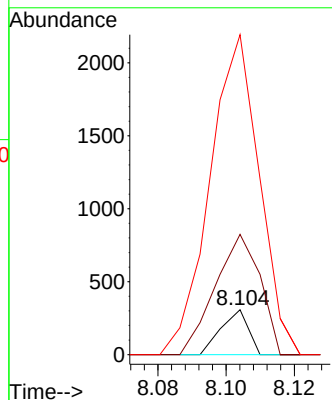
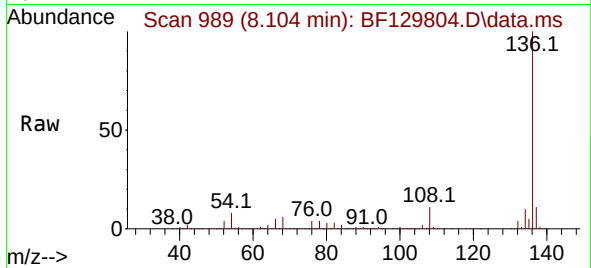




#32  
Benzoic acid  
Concen: 2.200 ng  
RT: 8.104 min Scan# 91  
Delta R.T. 0.188 min  
Lab File: BF129804.D  
Acq: 16 Aug 2022 11:13

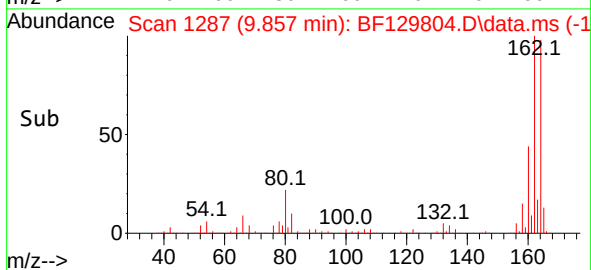
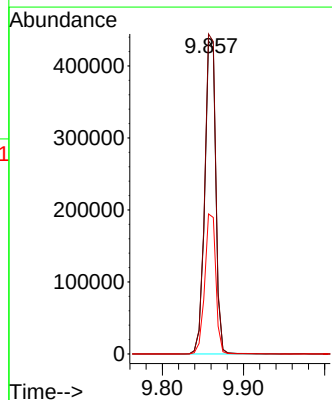
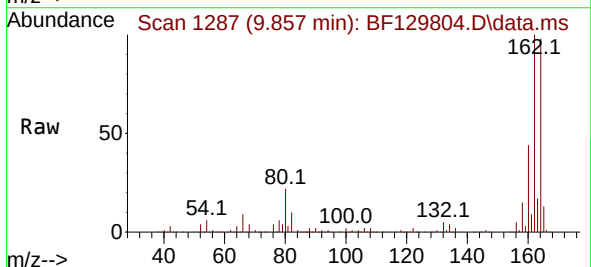
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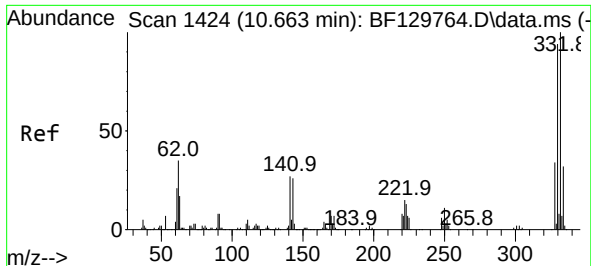
Tgt Ion:122 Resp: 171  
Ion Ratio Lower Upper  
122 100  
105 267.9 99.9 139.9#  
77 712.0 65.9 105.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.857 min Scan# 1287  
Delta R.T. -0.006 min  
Lab File: BF129804.D  
Acq: 16 Aug 2022 11:13

Tgt Ion:164 Resp: 408002  
Ion Ratio Lower Upper  
164 100  
162 102.2 82.0 123.0  
160 44.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 155.553 ng

RT: 10.663 min Scan# 1424

Delta R.T. -0.000 min

Lab File: BF129804.D

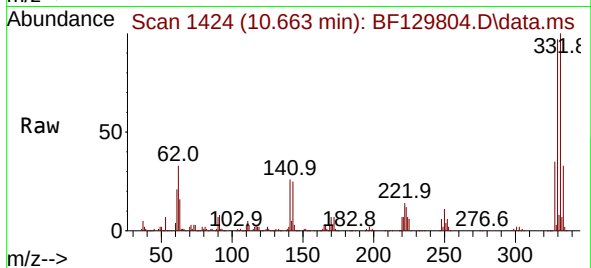
Acq: 16 Aug 2022 11:13

Instrument :

BNA\_F

ClientSampleId :

SP-303-20220810



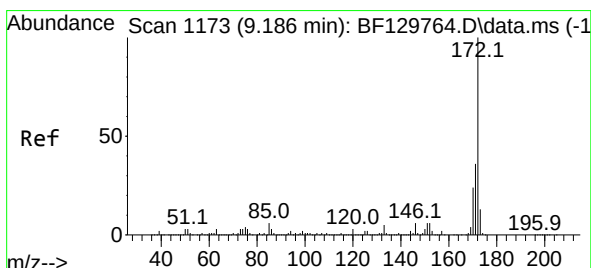
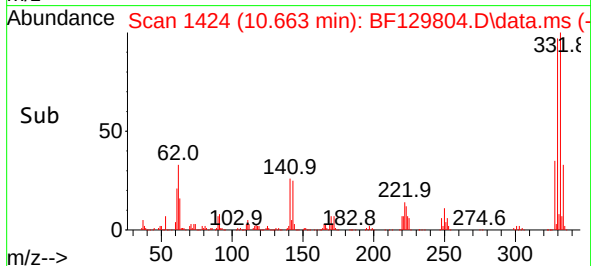
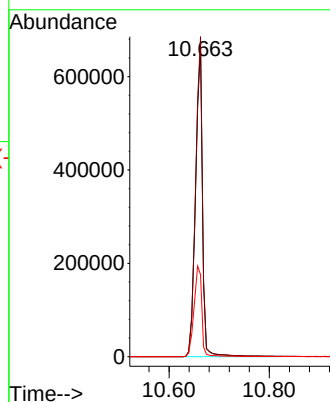
Tgt Ion:330 Resp: 636975

Ion Ratio Lower Upper

330 100

332 102.3 82.6 124.0

141 32.7 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 88.549 ng

RT: 9.180 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF129804.D

Acq: 16 Aug 2022 11:13

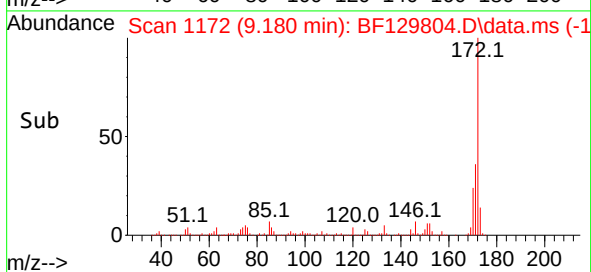
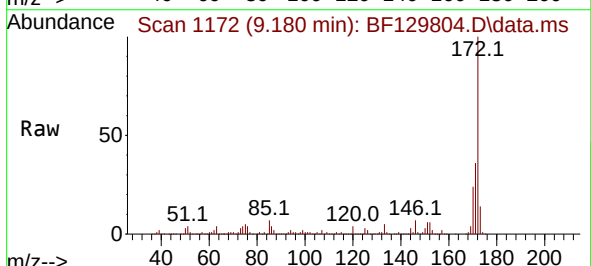
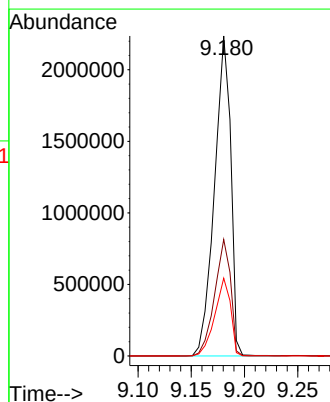
Tgt Ion:172 Resp: 2378735

Ion Ratio Lower Upper

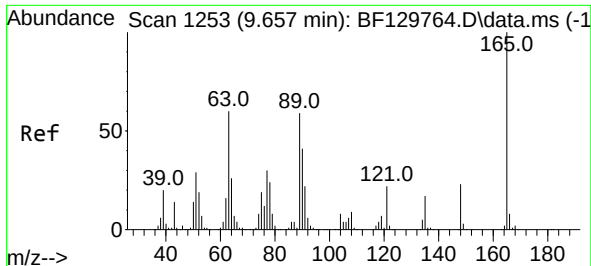
172 100

171 36.4 28.4 42.6

170 24.3 19.1 28.7







#51

2,6-Dinitrotoluene

Concen: 8.391 ng

RT: 9.857 min Scan# 1287

Delta R.T. 0.200 min

Lab File: BF129804.D

Acq: 16 Aug 2022 11:13

Instrument :

BNA\_F

ClientSampleId :

SP-303-20220810

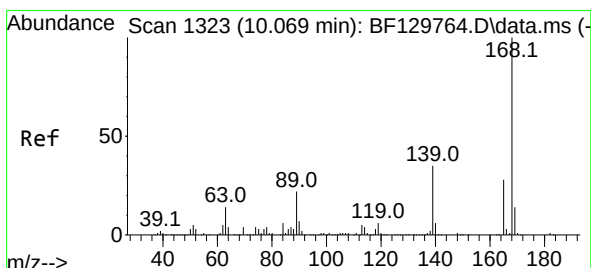
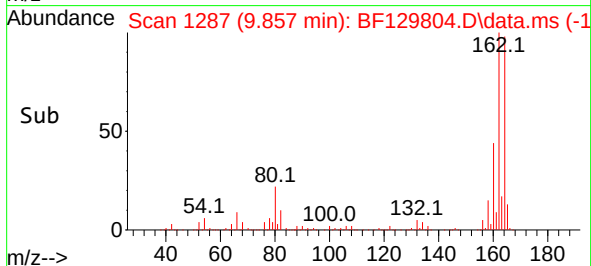
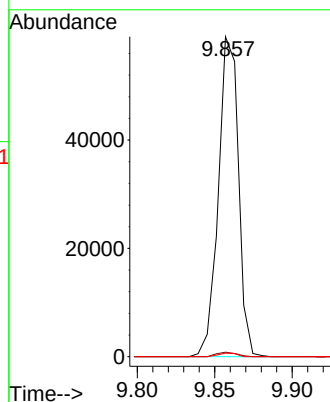
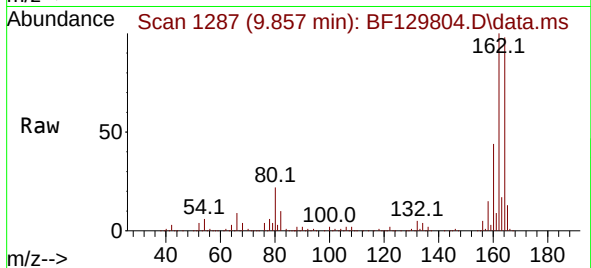
Tgt Ion:165 Resp: 53235

Ion Ratio Lower Upper

165 100

63 1.4 47.8 71.8#

89 1.1 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 6.464 ng

RT: 9.857 min Scan# 1287

Delta R.T. -0.212 min

Lab File: BF129804.D

Acq: 16 Aug 2022 11:13

Tgt Ion:165 Resp: 53235

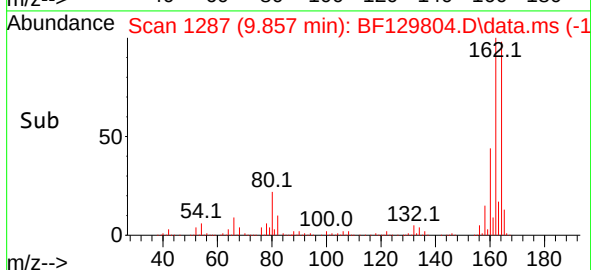
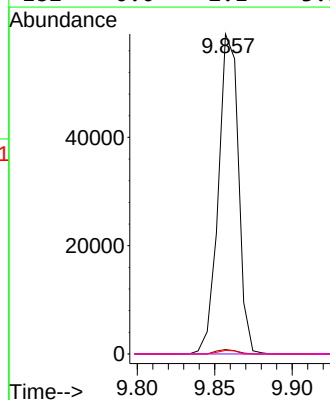
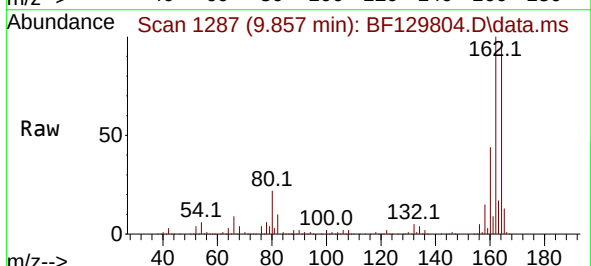
Ion Ratio Lower Upper

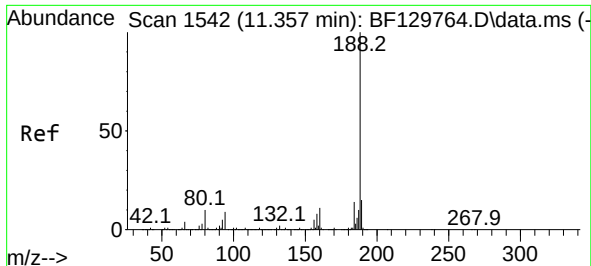
165 100

63 1.4 48.4 72.6#

89 1.1 62.3 93.5#

182 0.0 2.1 3.1#

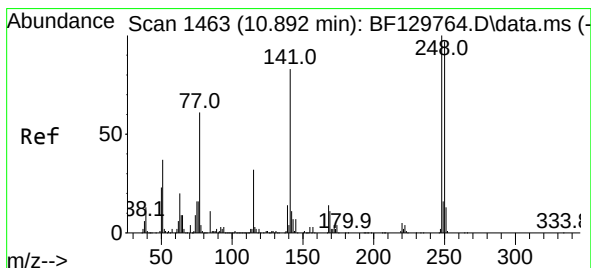
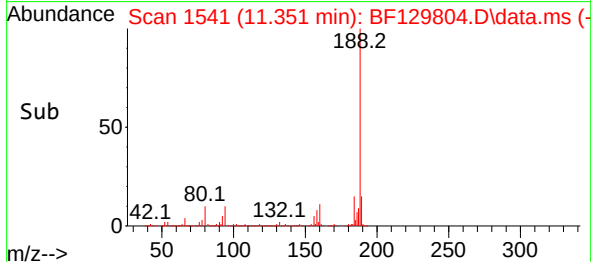
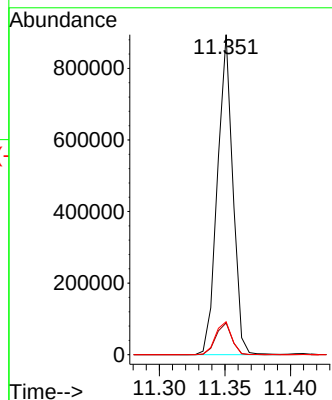
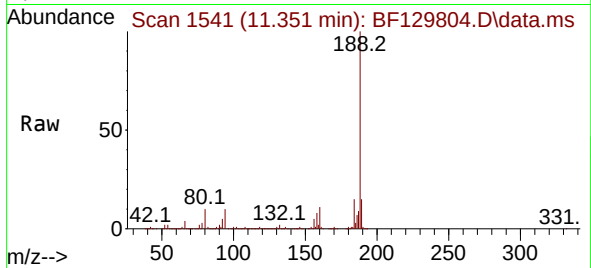




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.351 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129804.D  
Acq: 16 Aug 2022 11:13

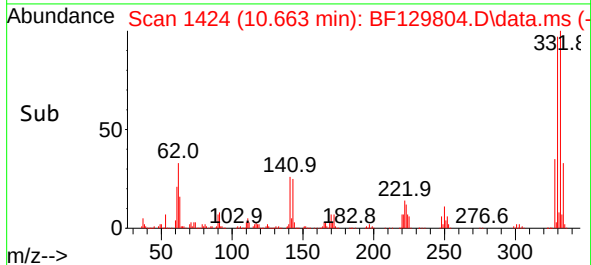
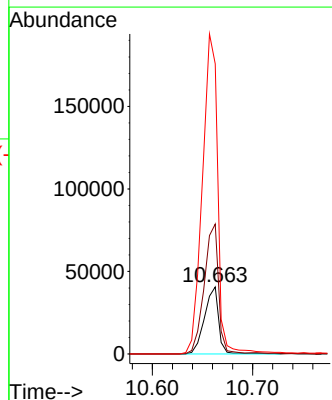
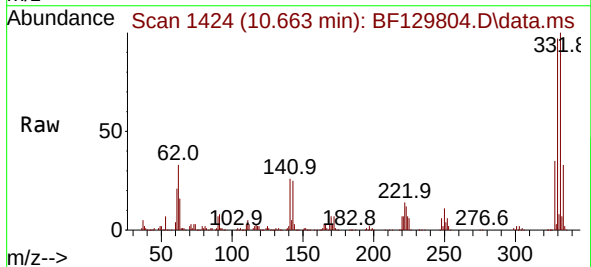
Instrument :  
BNA\_F  
ClientSampleId :  
SP-303-20220810

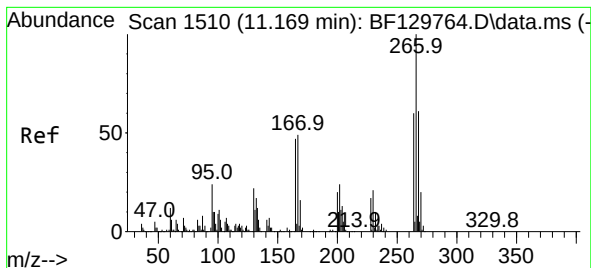
Tgt Ion:188 Resp: 727462  
Ion Ratio Lower Upper  
188 100  
94 9.9 7.4 11.2  
80 10.3 7.9 11.9



#67  
4-Bromophenyl-phenylether  
Concen: 4.711 ng  
RT: 10.663 min Scan# 1424  
Delta R.T. -0.229 min  
Lab File: BF129804.D  
Acq: 16 Aug 2022 11:13

Tgt Ion:248 Resp: 40143  
Ion Ratio Lower Upper  
248 100  
250 193.9 77.8 116.6#  
141 432.8 66.2 99.2#





#70

Pentachlorophenol

Concen: 5.200 ng

RT: 11.416 min Scan# 1

Delta R.T. 0.247 min

Lab File: BF129804.D

Acq: 16 Aug 2022 11:13

Instrument :

BNA\_F

ClientSampleId :

SP-303-20220810

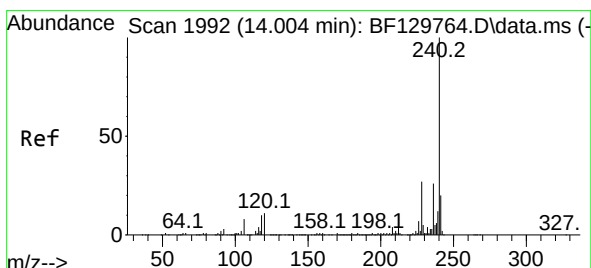
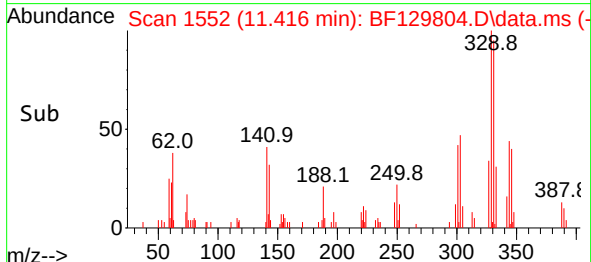
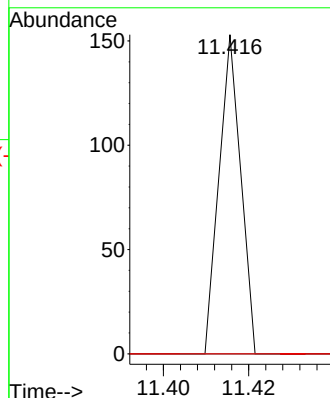
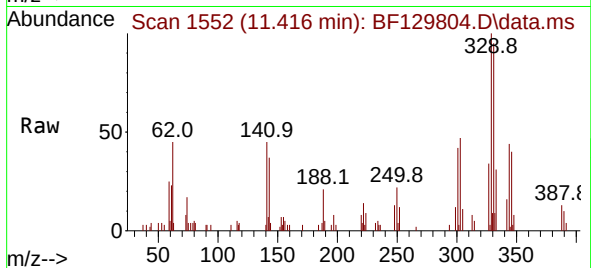
Tgt Ion:266 Resp: 54

Ion Ratio Lower Upper

266 100

268 0.0 49.0 73.4#

264 0.0 47.9 71.9#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 1991

Delta R.T. -0.006 min

Lab File: BF129804.D

Acq: 16 Aug 2022 11:13

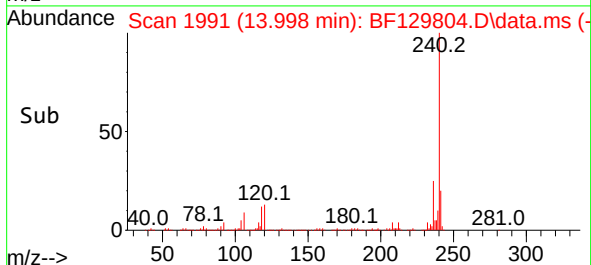
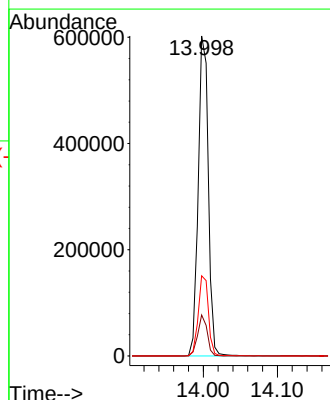
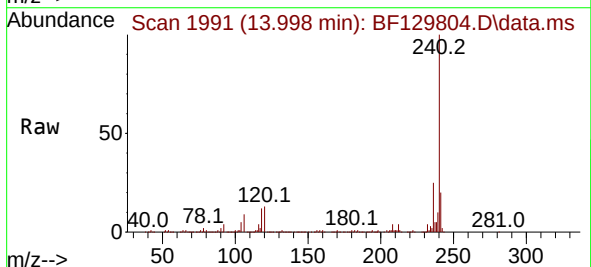
Tgt Ion:240 Resp: 568211

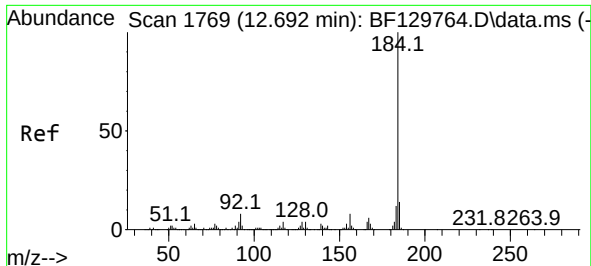
Ion Ratio Lower Upper

240 100

120 12.8 9.2 13.8

236 25.1 20.7 31.1

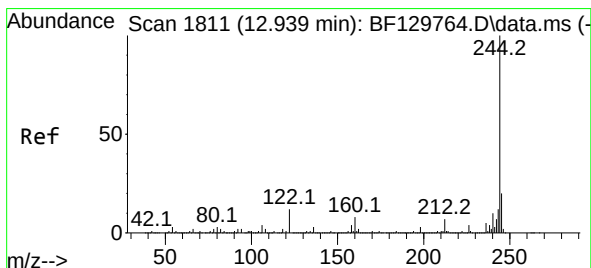
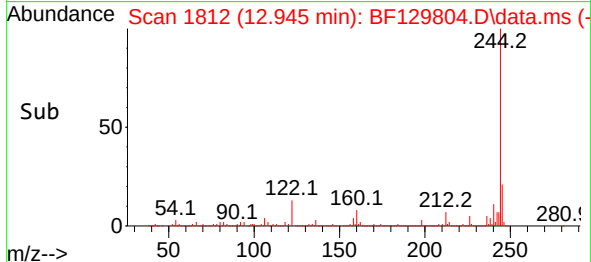
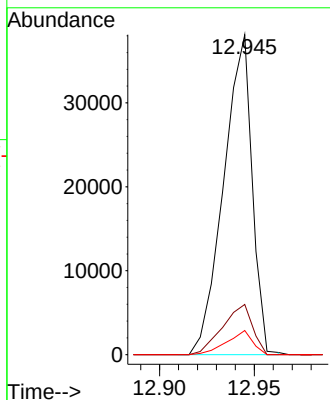
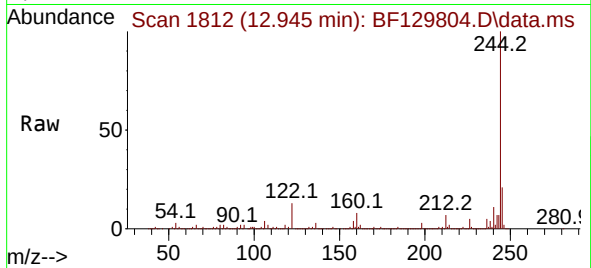




#77  
Benzidine  
Concen: Below Cal  
RT: 12.945 min Scan# 1812  
Delta R.T. 0.253 min  
Lab File: BF129804.D  
Acq: 16 Aug 2022 11:13

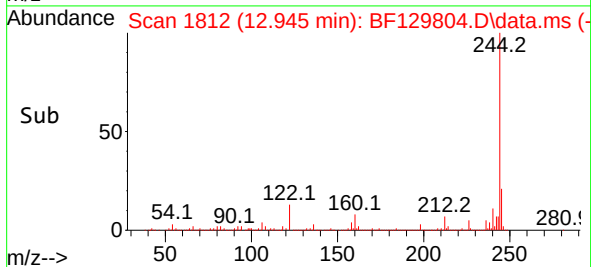
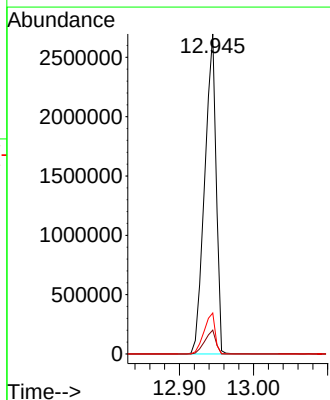
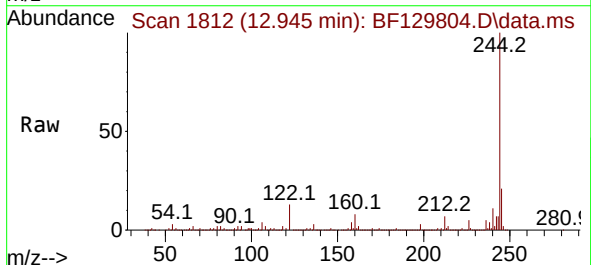
Instrument :  
BNA\_F  
ClientSampleId :  
SP-303-20220810

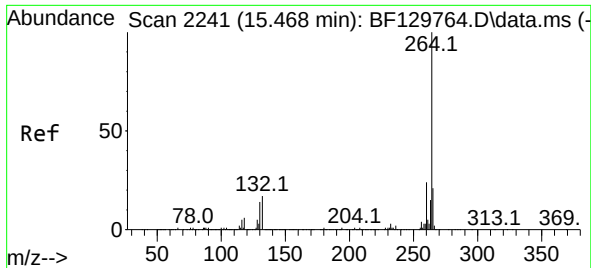
Tgt Ion:184 Resp: 39802  
Ion Ratio Lower Upper  
184 100  
185 15.7 11.4 17.2  
183 7.5 9.4 14.2#



#79  
Terphenyl-d14  
Concen: 84.688 ng  
RT: 12.945 min Scan# 1812  
Delta R.T. 0.006 min  
Lab File: BF129804.D  
Acq: 16 Aug 2022 11:13

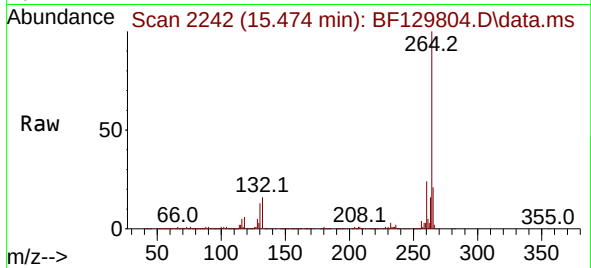
Tgt Ion:244 Resp: 2891988  
Ion Ratio Lower Upper  
244 100  
212 7.5 5.9 8.9  
122 12.8 9.9 14.9





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.474 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BF129804.D  
 Acq: 16 Aug 2022 11:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-303-20220810



Tgt Ion:264 Resp: 427554  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.1 28.7  
 265 21.2 16.7 25.1

