

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082322\  
 Data File : BF129954.D  
 Acq On : 23 Aug 2022 15:25  
 Operator : CG\JU  
 Sample : N4293-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CON1-8-22-2022

Quant Time: Aug 24 01:54:19 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 23 04:41:40 2022  
 Response via : Initial Calibration

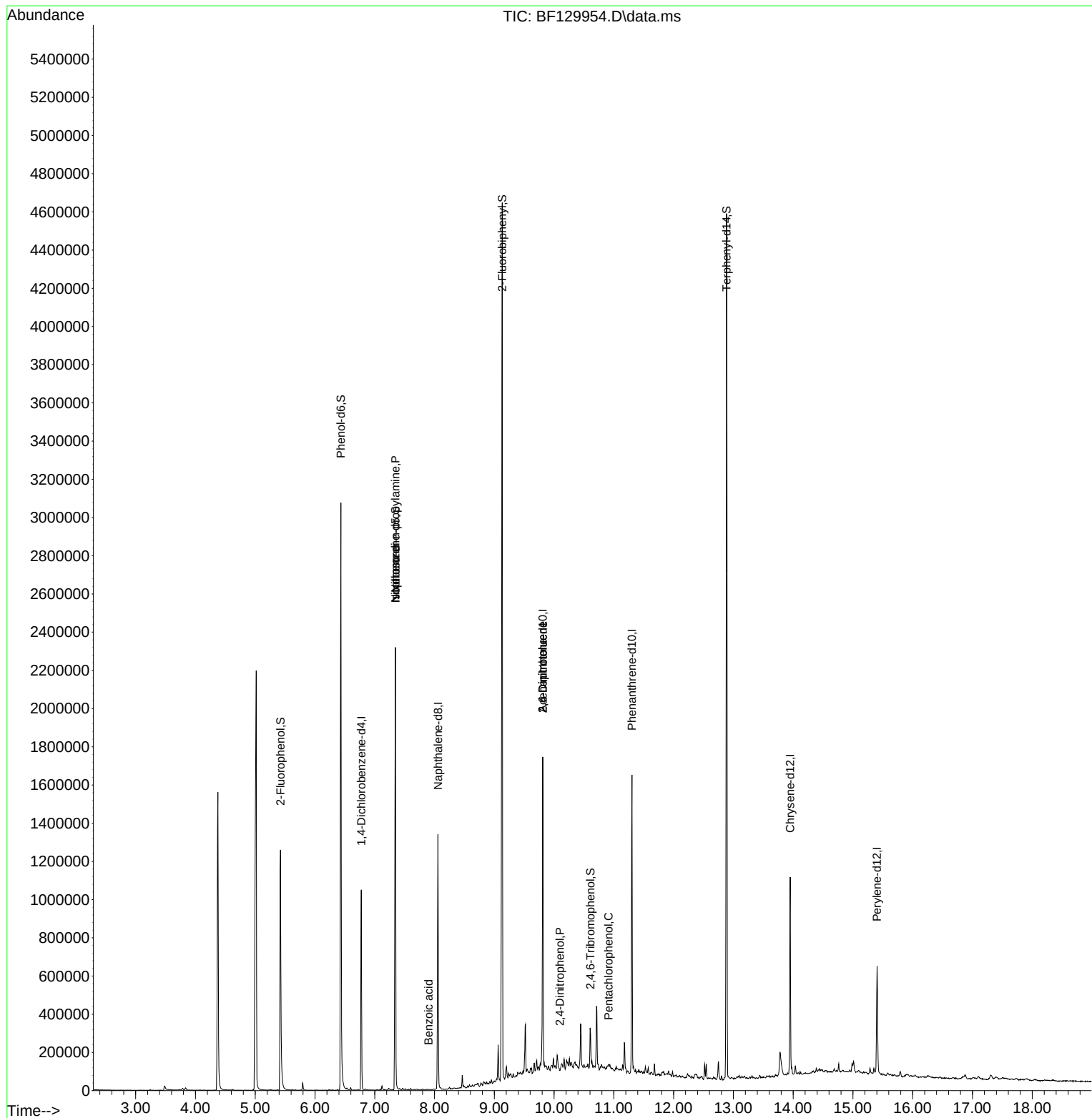
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.775  | 152  | 149701   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.057  | 136  | 610187   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.810  | 164  | 327540   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.304 | 188  | 545157   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 13.951 | 240  | 330976   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.404 | 264  | 248704   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 402085   | 44.471    | ng     | 0.01     |
| 7) Phenol-d6                  | 6.434  | 99   | 1001238  | 88.429    | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 782296   | 68.631    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 24240    | 7.374     | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.133  | 172  | 1501174  | 69.610    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.886 | 244  | 1523974  | 76.616    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.386  | 77   | 199      | Below Cal | #      | 37       |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 104610   | 14.617    | ng     | # 80     |
| 25) Isophorone                | 7.345  | 82   | 782212   | 39.871    | ng     | # 65     |
| 32) Benzoic acid              | 7.898  | 122  | 55       | 2.168     | ng     | # 27     |
| 51) 2,6-Dinitrotoluene        | 9.810  | 165  | 42513    | 8.347     | ng     | # 23     |
| 54) 2,4-Dinitrophenol         | 10.098 | 184  | 67       | 5.499     | ng     | # 21     |
| 57) 2,4-Dinitrotoluene        | 9.810  | 165  | 42513    | 6.430     | ng     | # 18     |
| 70) Pentachlorophenol         | 10.910 | 266  | 76       | 5.216     | ng     | # 20     |
| 77) Benzidine                 | 12.886 | 184  | 22843    | Below Cal | #      | 93       |
| -----                         |        |      |          |           |        |          |

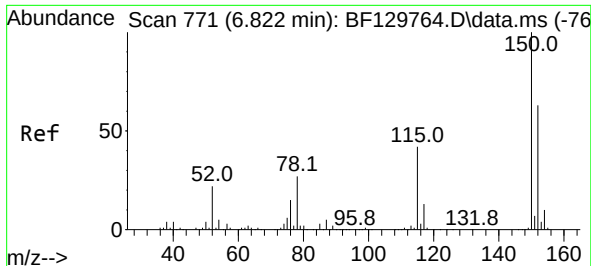
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082322\  
Data File : BF129954.D  
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
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CON1-8-22-2022

Quant Time: Aug 24 01:54:19 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 23 04:41:40 2022  
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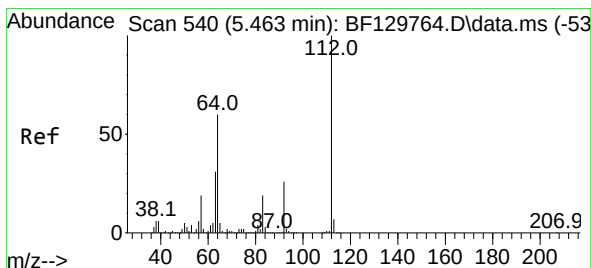
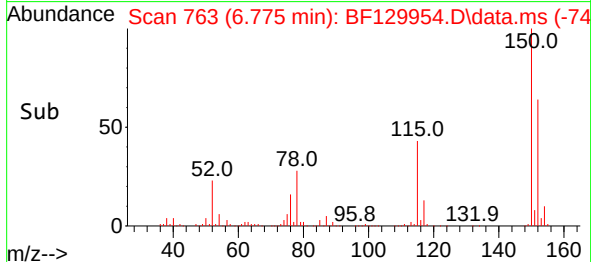
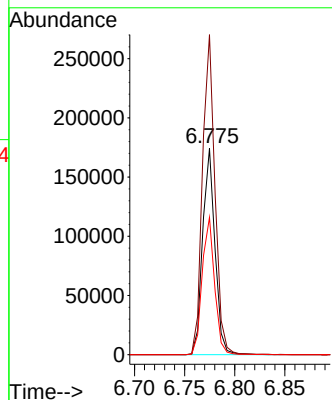
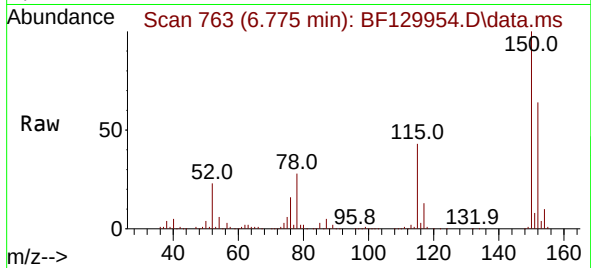




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.775 min Scan# 70  
 Delta R.T. -0.000 min  
 Lab File: BF129954.D  
 Acq: 23 Aug 2022 15:25

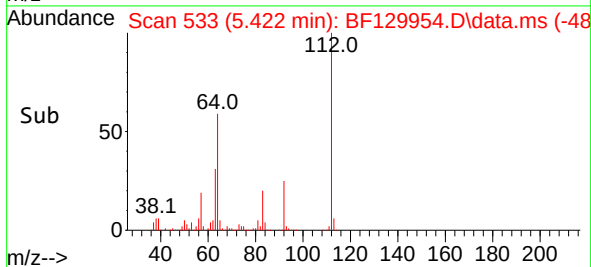
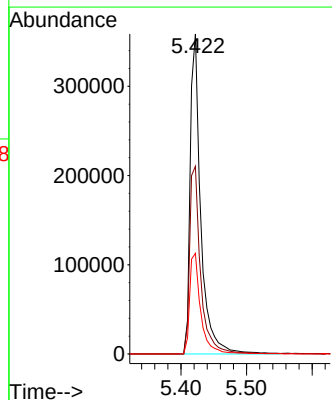
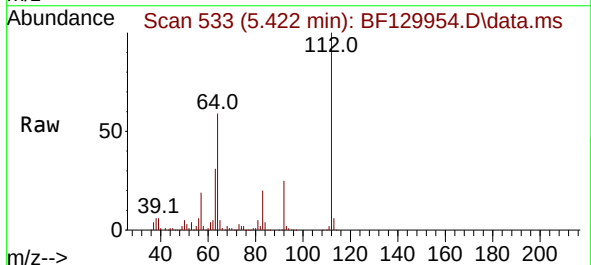
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CON1-8-22-2022

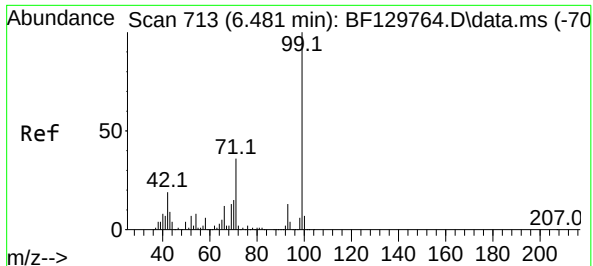
Tgt Ion:152 Resp: 149701  
 Ion Ratio Lower Upper  
 152 100  
 150 155.1 126.9 190.3  
 115 66.6 53.4 80.0



#5  
 2-Fluorophenol  
 Concen: 44.471 ng  
 RT: 5.422 min Scan# 533  
 Delta R.T. 0.012 min  
 Lab File: BF129954.D  
 Acq: 23 Aug 2022 15:25

Tgt Ion:112 Resp: 402085  
 Ion Ratio Lower Upper  
 112 100  
 64 58.7 47.6 71.4  
 63 31.5 24.6 37.0

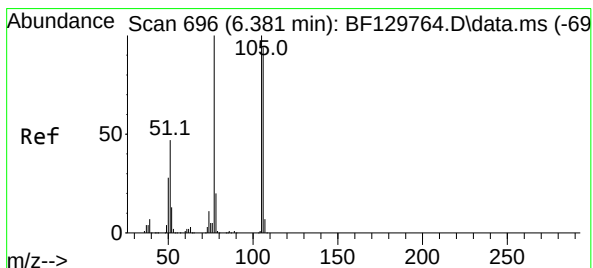
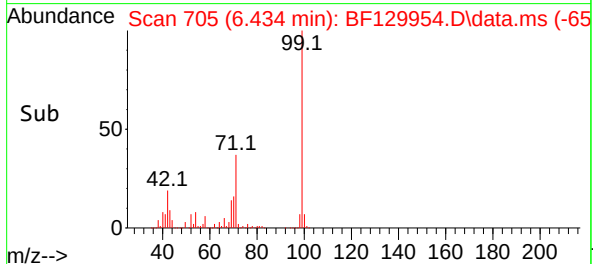
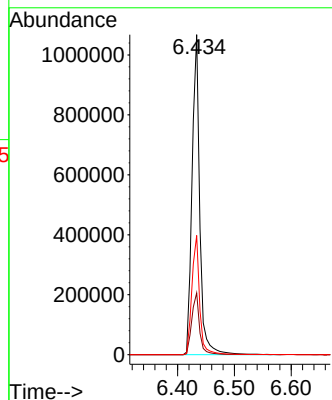
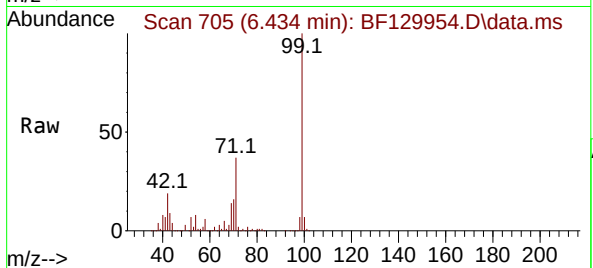




#7  
Phenol-d6  
Concen: 88.429 ng  
RT: 6.434 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: BF129954.D  
Acq: 23 Aug 2022 15:25

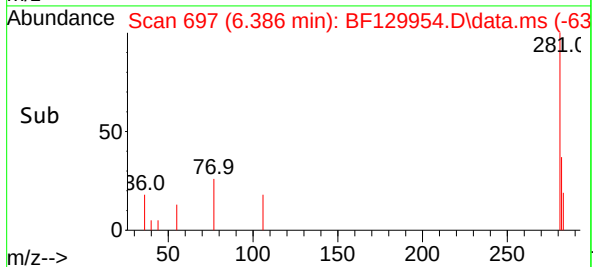
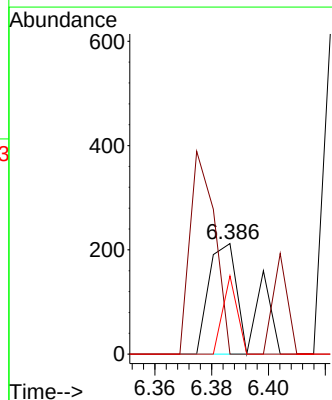
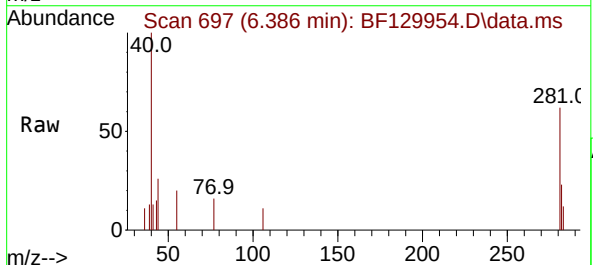
Instrument :  
BNA\_F  
ClientSampleId :  
CON1-8-22-2022

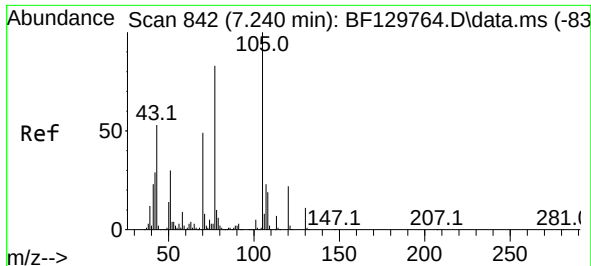
Tgt Ion: 99 Resp: 1001238  
Ion Ratio Lower Upper  
99 100  
42 19.3 15.0 22.4  
71 37.2 28.8 43.2



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.386 min Scan# 697  
Delta R.T. 0.053 min  
Lab File: BF129954.D  
Acq: 23 Aug 2022 15:25

Tgt Ion: 77 Resp: 199  
Ion Ratio Lower Upper  
77 100  
105 0.0 80.3 120.3#  
106 70.8 74.3 114.3#

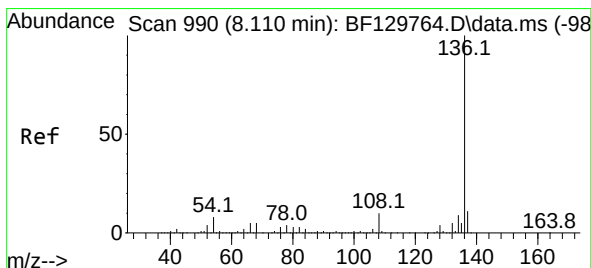
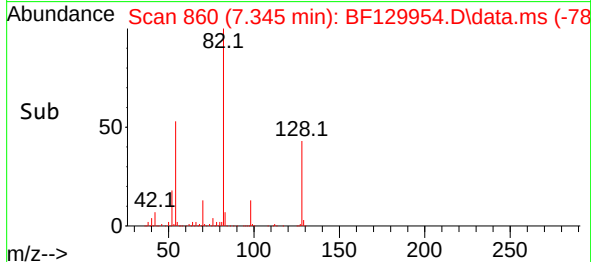
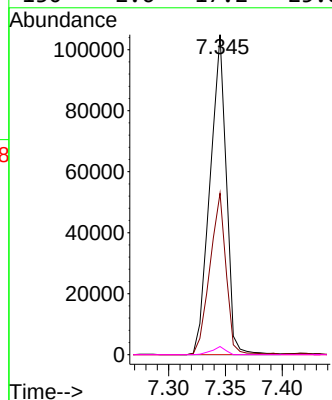
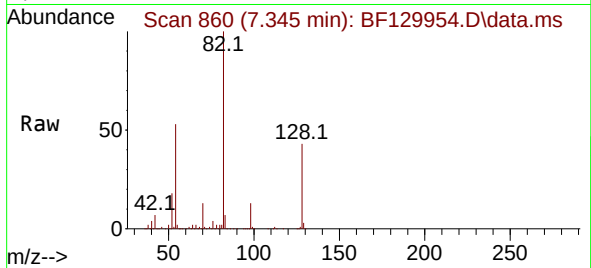




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.617 ng  
RT: 7.345 min Scan# 80  
Delta R.T. 0.147 min  
Lab File: BF129954.D  
Acq: 23 Aug 2022 15:25

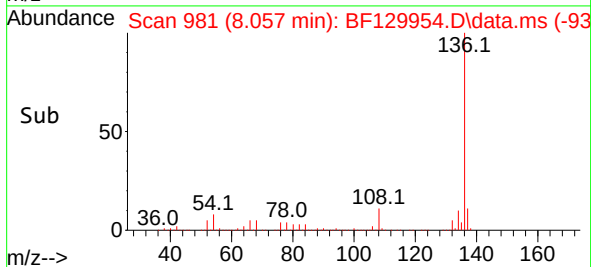
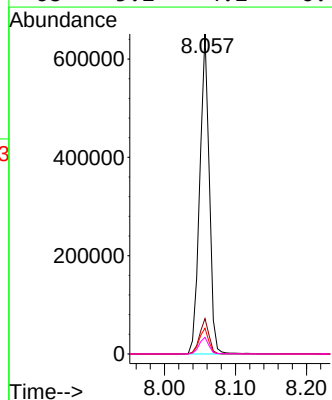
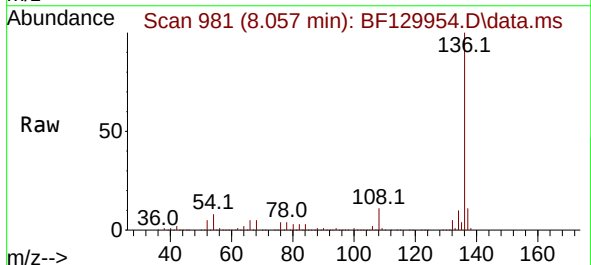
Instrument :  
BNA\_F  
ClientSampleId :  
CON1-8-22-2022

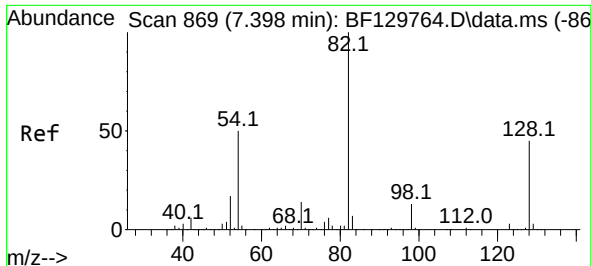
Tgt Ion: 70 Resp: 104610  
Ion Ratio Lower Upper  
70 100  
42 50.4 47.6 71.4  
101 0.0 8.1 12.1#  
130 2.6 17.2 25.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.057 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: BF129954.D  
Acq: 23 Aug 2022 15:25

Tgt Ion: 136 Resp: 610187  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.4 12.6  
54 8.1 6.2 9.2  
68 5.2 4.2 6.4





#23

Nitrobenzene-d5

Concen: 68.631 ng

RT: 7.345 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF129954.D

Acq: 23 Aug 2022 15:25

Instrument :

BNA\_F

ClientSampleId :

CON1-8-22-2022

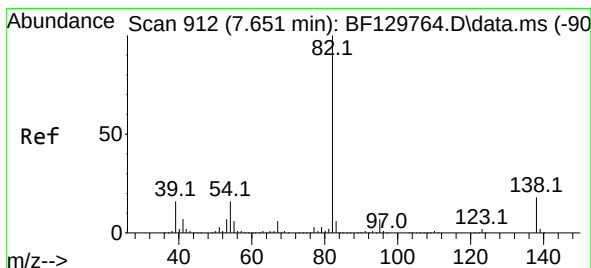
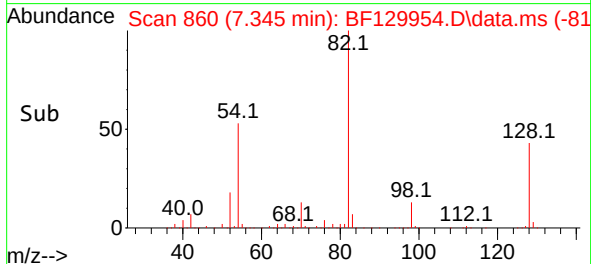
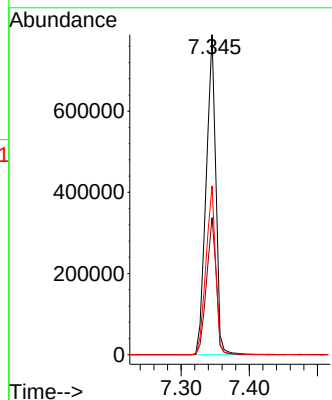
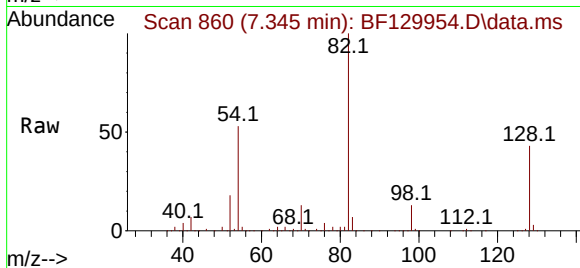
Tgt Ion: 82 Resp: 782296

Ion Ratio Lower Upper

82 100

128 42.8 36.1 54.1

54 52.8 40.0 60.0



#25

Isophorone

Concen: 39.871 ng

RT: 7.345 min Scan# 860

Delta R.T. -0.259 min

Lab File: BF129954.D

Acq: 23 Aug 2022 15:25

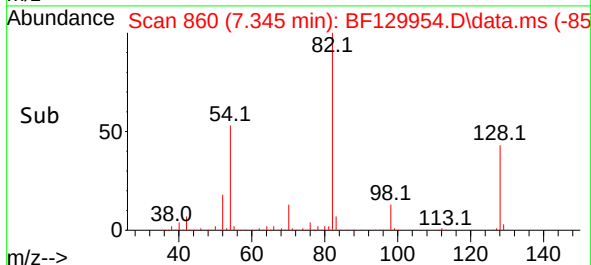
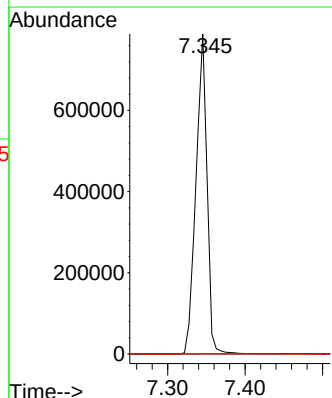
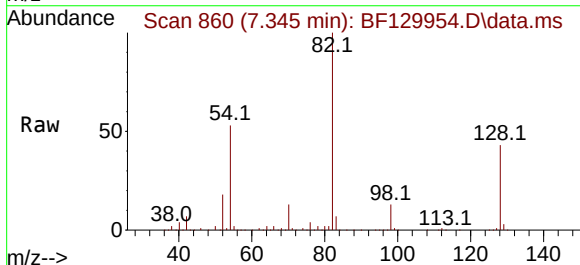
Tgt Ion: 82 Resp: 782212

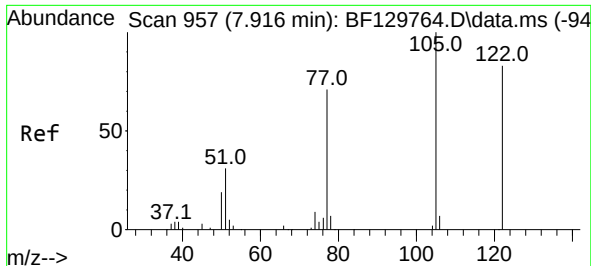
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.6 21.8#

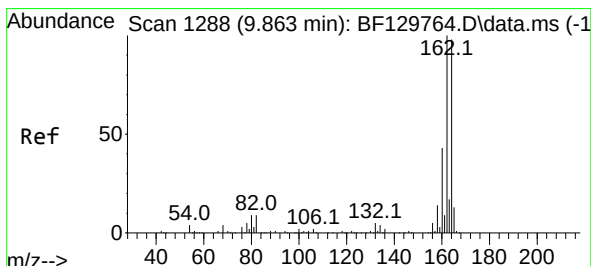
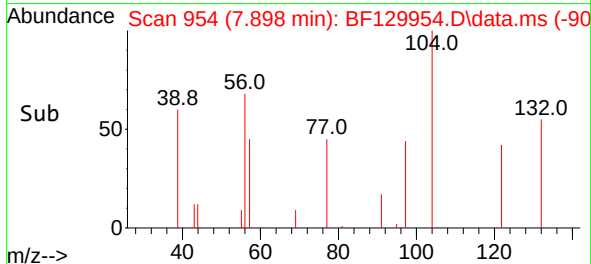
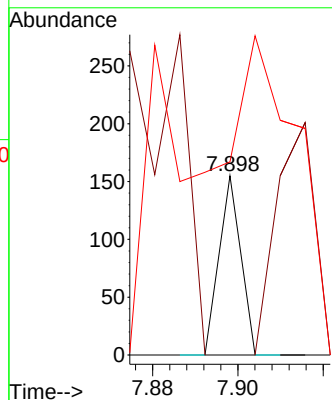
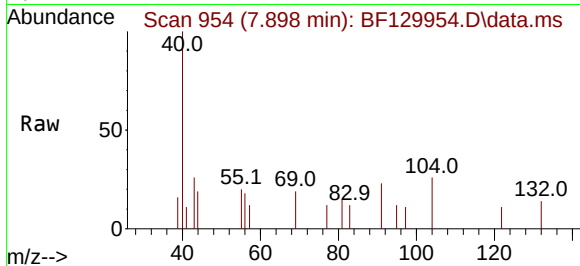




#32  
Benzoic acid  
Concen: 2.168 ng  
RT: 7.898 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: BF129954.D  
Acq: 23 Aug 2022 15:25

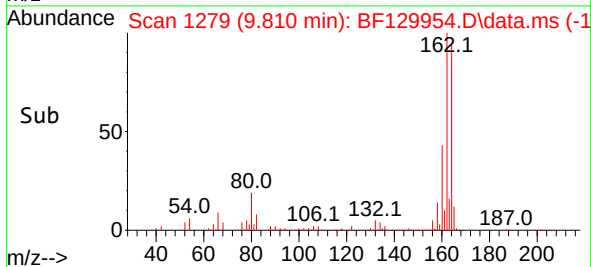
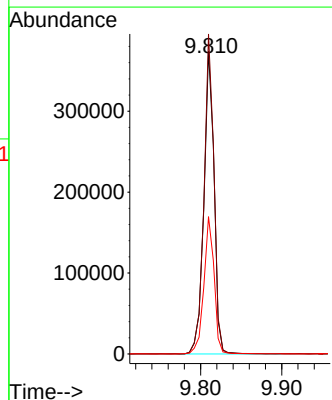
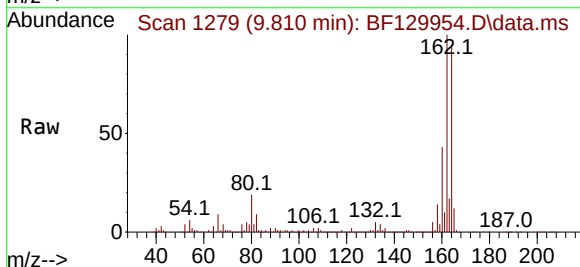
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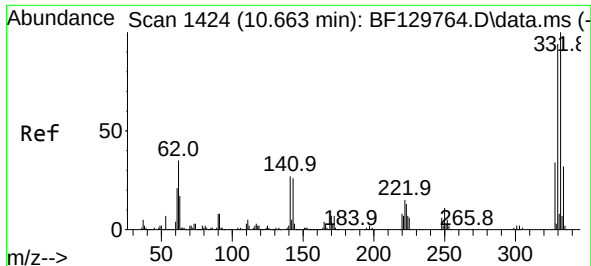
Tgt Ion:122 Resp: 55  
Ion Ratio Lower Upper  
122 100  
105 0.0 99.9 139.9#  
77 107.7 65.9 105.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.810 min Scan# 1279  
Delta R.T. -0.006 min  
Lab File: BF129954.D  
Acq: 23 Aug 2022 15:25

Tgt Ion:164 Resp: 327540  
Ion Ratio Lower Upper  
164 100  
162 105.7 82.0 123.0  
160 45.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 7.374 ng

RT: 10.610 min Scan# 1415

Delta R.T. -0.000 min

Lab File: BF129954.D

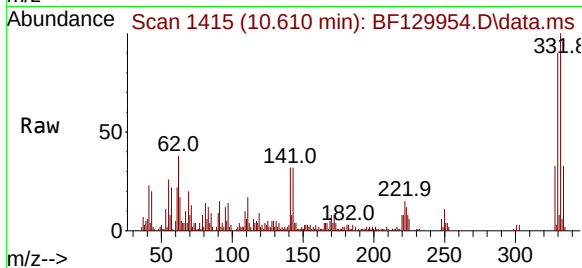
Acq: 23 Aug 2022 15:25

Instrument :

BNA\_F

ClientSampleId :

CON1-8-22-2022



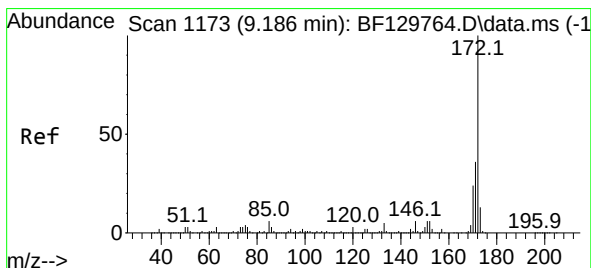
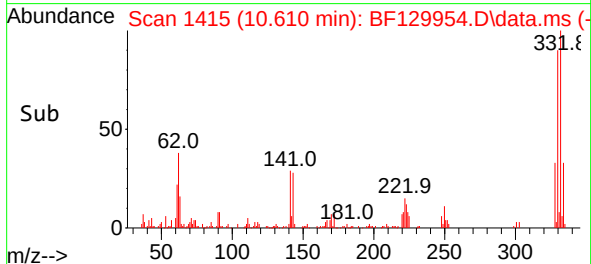
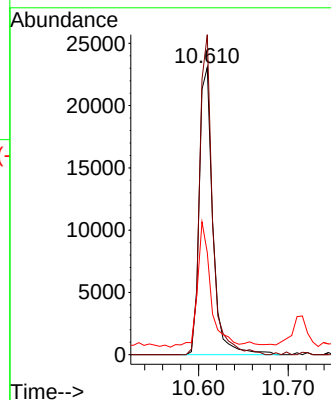
Tgt Ion:330 Resp: 24240

Ion Ratio Lower Upper

330 100

332 104.8 82.6 124.0

141 42.8 27.6 41.4#



#45

2-Fluorobiphenyl

Concen: 69.610 ng

RT: 9.133 min Scan# 1164

Delta R.T. -0.000 min

Lab File: BF129954.D

Acq: 23 Aug 2022 15:25

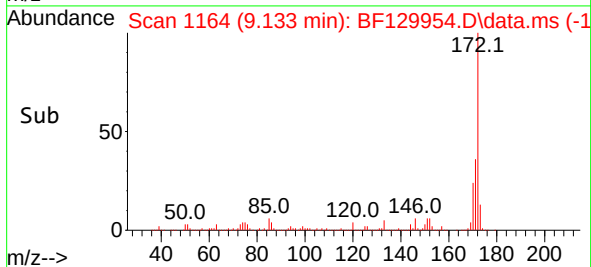
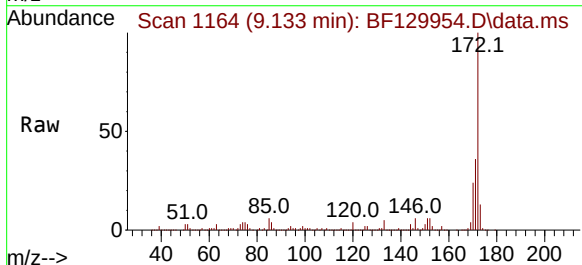
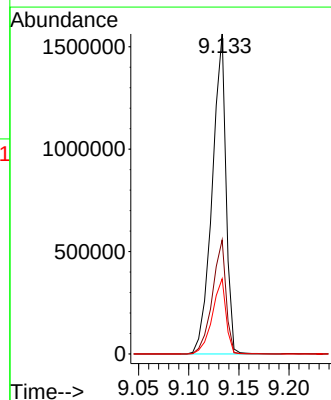
Tgt Ion:172 Resp: 1501174

Ion Ratio Lower Upper

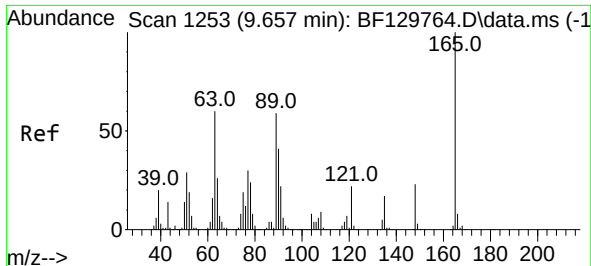
172 100

171 35.6 28.4 42.6

170 23.5 19.1 28.7



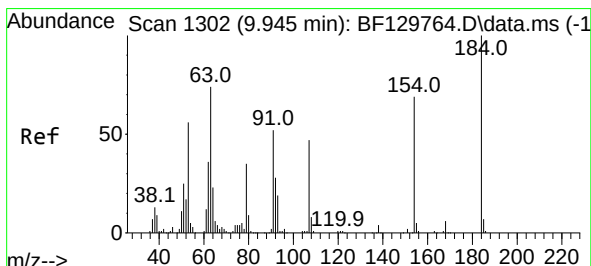
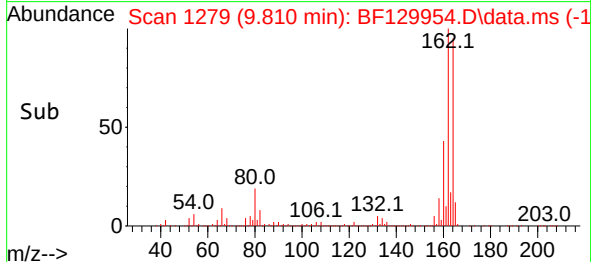
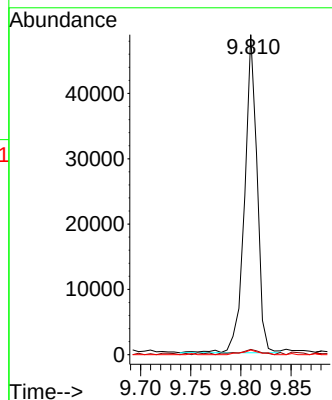
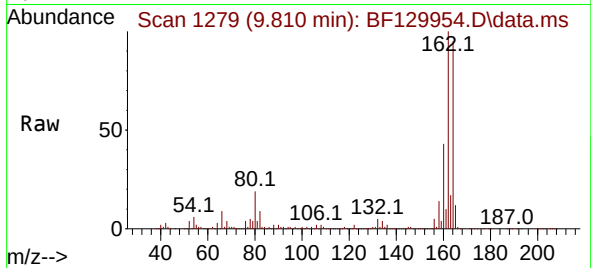




#51  
2,6-Dinitrotoluene  
Concen: 8.347 ng  
RT: 9.810 min Scan# 11  
Delta R.T. 0.194 min  
Lab File: BF129954.D  
Acq: 23 Aug 2022 15:25

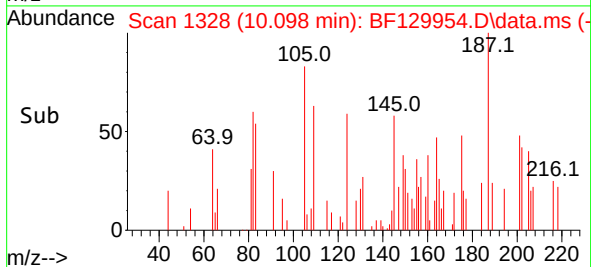
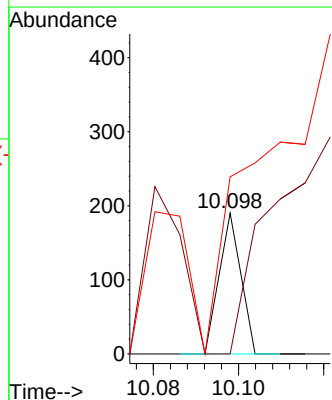
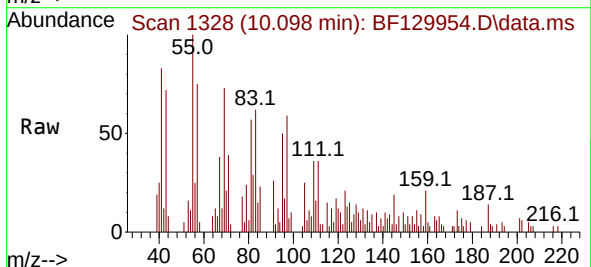
Instrument :  
BNA\_F  
ClientSampleId :  
CON1-8-22-2022

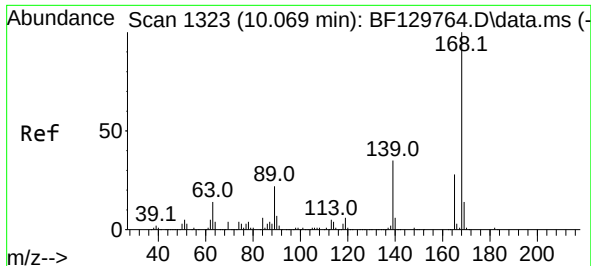
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Ion Ratio Lower Upper  
165 100  
63 1.7 47.8 71.8#  
89 1.4 47.2 70.8#



#54  
2,4-Dinitrophenol  
Concen: 5.499 ng  
RT: 10.098 min Scan# 1328  
Delta R.T. 0.194 min  
Lab File: BF129954.D  
Acq: 23 Aug 2022 15:25

Tgt Ion:184 Resp: 67  
Ion Ratio Lower Upper  
184 100  
63 0.0 59.6 89.4#  
154 125.8 55.3 82.9#

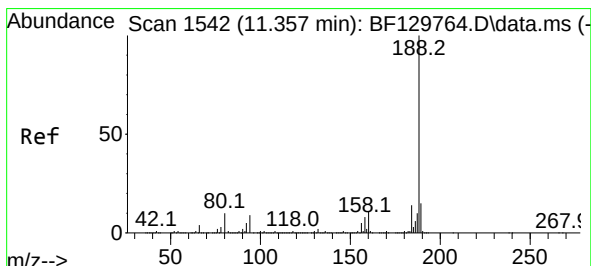
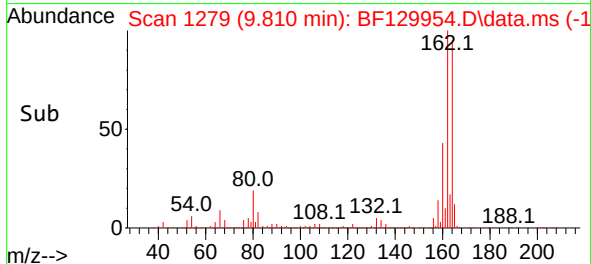
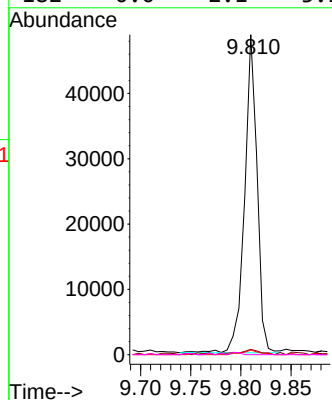
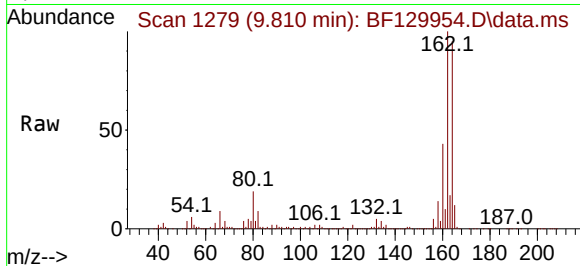




#57  
2,4-Dinitrotoluene  
Concen: 6.430 ng  
RT: 9.810 min Scan# 1533  
Delta R.T. -0.212 min  
Lab File: BF129954.D  
Acq: 23 Aug 2022 15:25

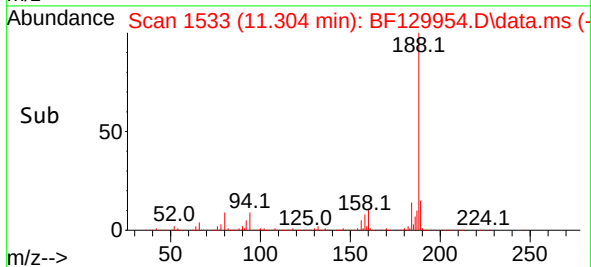
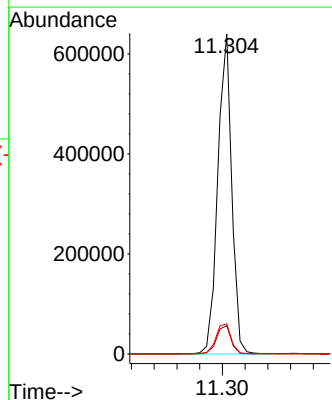
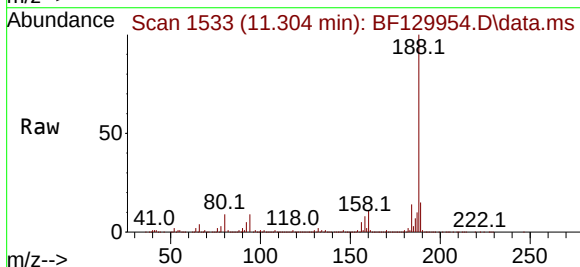
Instrument :  
BNA\_F  
ClientSampleId :  
CON1-8-22-2022

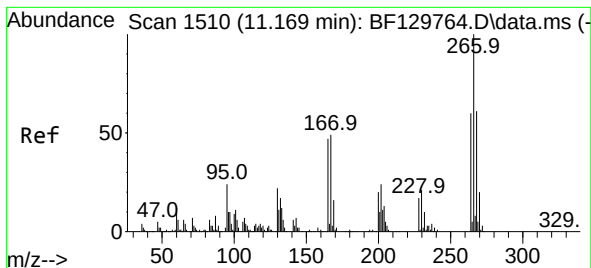
Tgt Ion:165 Resp: 42513  
Ion Ratio Lower Upper  
165 100  
63 1.7 48.4 72.6#  
89 1.4 62.3 93.5#  
182 0.0 2.1 3.1#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.304 min Scan# 1533  
Delta R.T. -0.000 min  
Lab File: BF129954.D  
Acq: 23 Aug 2022 15:25

Tgt Ion:188 Resp: 545157  
Ion Ratio Lower Upper  
188 100  
94 8.8 7.4 11.2  
80 9.4 7.9 11.9





#70

Pentachlorophenol

Concen: 5.216 ng

RT: 10.910 min Scan# 14

Delta R.T. -0.212 min

Lab File: BF129954.D

Acq: 23 Aug 2022 15:25

Instrument :

BNA\_F

ClientSampleId :

CON1-8-22-2022

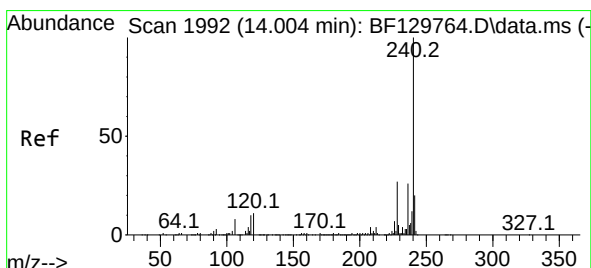
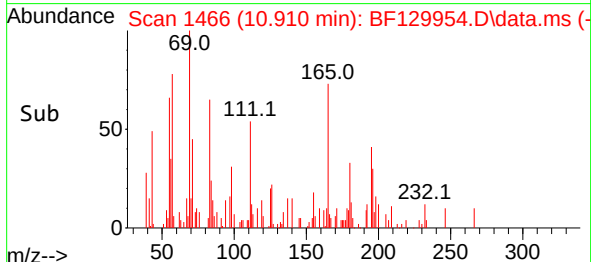
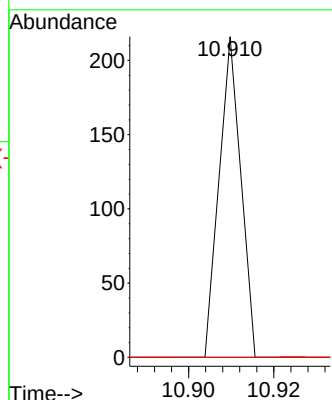
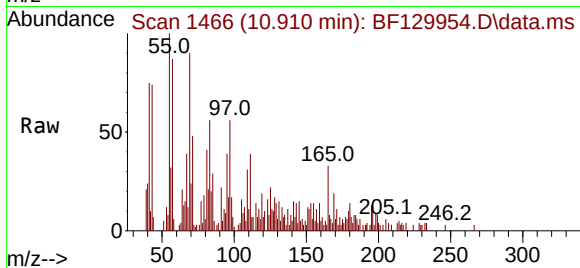
Tgt Ion:266 Resp: 76

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: 13.951 min Scan# 1983

Delta R.T. -0.000 min

Lab File: BF129954.D

Acq: 23 Aug 2022 15:25

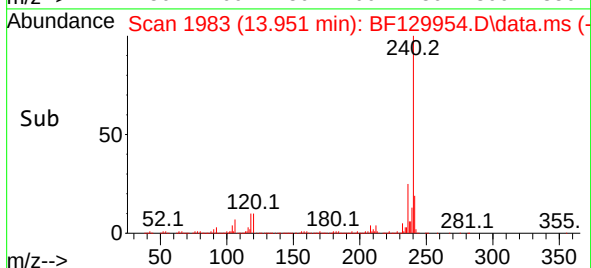
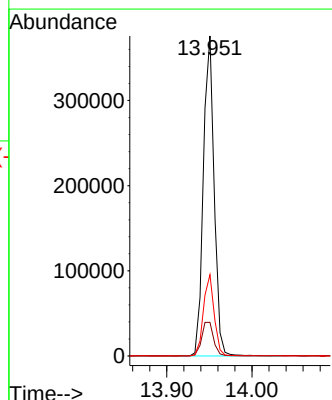
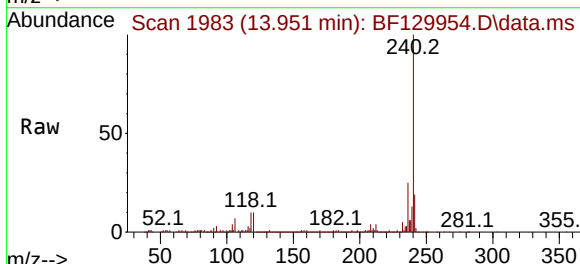
Tgt Ion:240 Resp: 330976

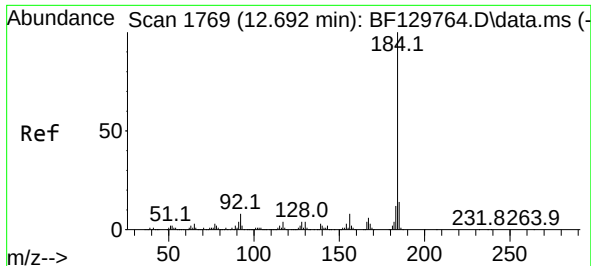
Ion Ratio Lower Upper

240 100

120 10.5 9.2 13.8

236 25.4 20.7 31.1

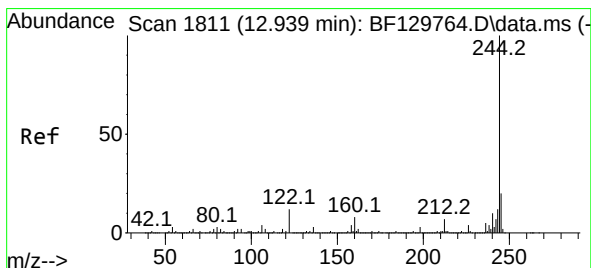
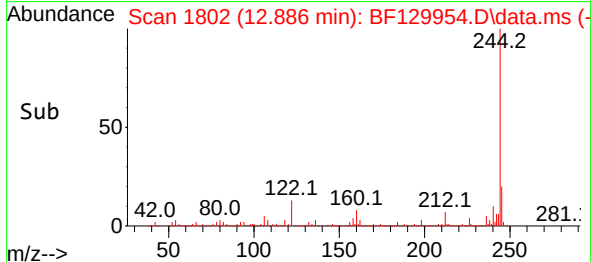
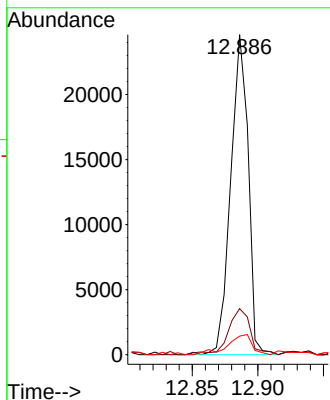
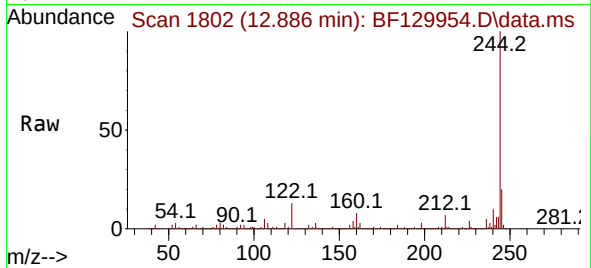




#77  
Benzidine  
Concen: Below Cal  
RT: 12.886 min Scan# 1802  
Delta R.T. 0.241 min  
Lab File: BF129954.D  
Acq: 23 Aug 2022 15:25

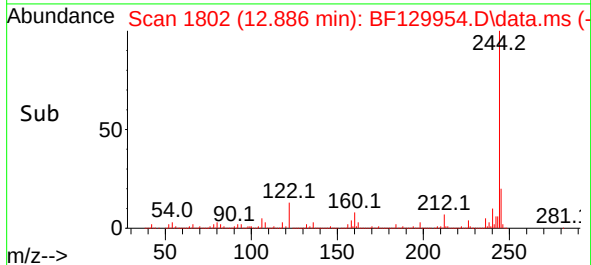
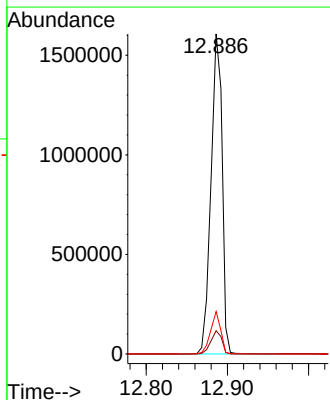
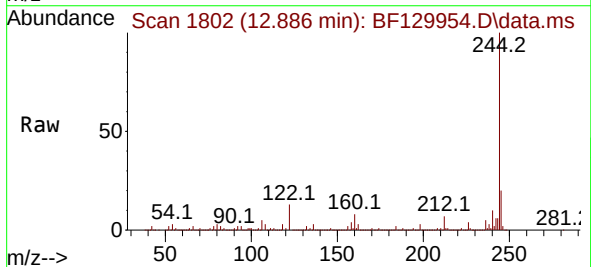
Instrument :  
BNA\_F  
ClientSampleId :  
CON1-8-22-2022

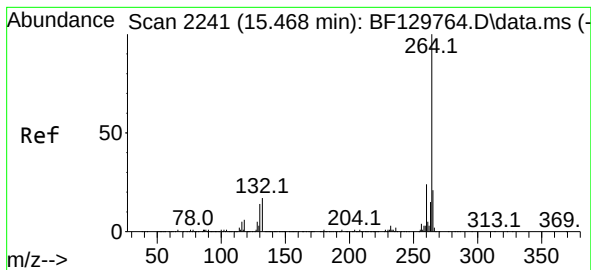
Tgt Ion:184 Resp: 22843  
Ion Ratio Lower Upper  
184 100  
185 14.4 11.4 17.2  
183 5.8 9.4 14.2#



#79  
Terphenyl-d14  
Concen: 76.616 ng  
RT: 12.886 min Scan# 1802  
Delta R.T. -0.000 min  
Lab File: BF129954.D  
Acq: 23 Aug 2022 15:25

Tgt Ion:244 Resp: 1523974  
Ion Ratio Lower Upper  
244 100  
212 7.3 5.9 8.9  
122 13.2 9.9 14.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129954.D

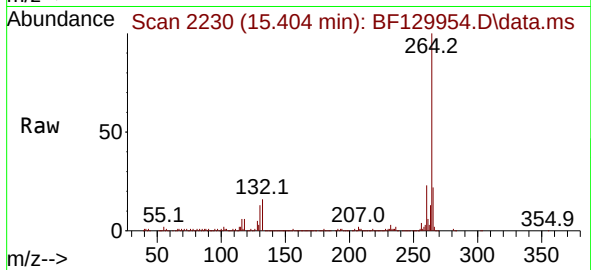
Acq: 23 Aug 2022 15:25

Instrument :

BNA\_F

ClientSampleId :

CON1-8-22-2022



Tgt Ion:264 Resp: 248704

Ion Ratio Lower Upper

264 100

260 22.8 19.1 28.7

265 21.7 16.7 25.1

