

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062722\  
 Data File : BF129028.D  
 Acq On : 27 Jun 2022 13:49  
 Operator : CG\JU  
 Sample : N3426-01DL 10X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

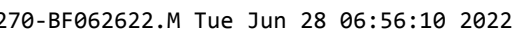
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B2201-27.5DL

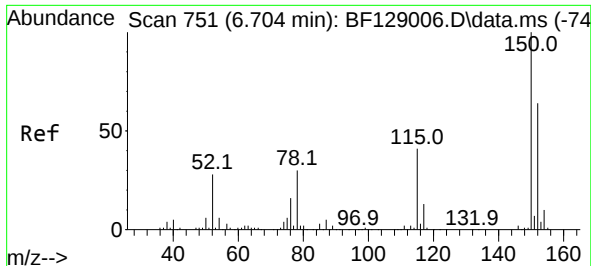
Quant Time: Jun 28 06:55:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 28 06:51:48 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.686  | 152  | 92445    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 7.975  | 136  | 369713   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.722  | 164  | 277967   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.210 | 188  | 497026   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 13.851 | 240  | 351032   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 15.280 | 264  | 296078   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.322  | 112  | 57086    | 9.587     | ng    | 0.01     |
| 7) Phenol-d6                  | 6.351  | 99   | 88256    | 12.679    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.257  | 82   | 65130    | 8.481     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.516 | 330  | 16842    | 5.836     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.045  | 172  | 167000   | 8.705     | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.792 | 244  | 164941   | 8.710     | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.245  | 77   | 129798   | 34.211    | ng    | # 1      |
| 18) Hexachloroethane          | 7.181  | 117  | 39392    | 16.076    | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 7.122  | 70   | 13404    | 3.120     | ng    | # 55     |
| 22) Acetophenone              | 7.081  | 105  | 285449   | 29.255    | ng    | # 56     |
| 24) Nitrobenzene              | 7.257  | 77   | 15329    | 2.157     | ng    | # 3      |
| 29) 2,4-Dichlorophenol        | 7.828  | 162  | 22100    | 3.998     | ng    | # 28     |
| 31) Naphthalene               | 7.998  | 128  | 1253868  | 67.525    | ng    | 99       |
| 32) Benzoic acid              | 7.763  | 122  | 384      | 4.233     | ng    | # 1      |
| 33) 4-Chloroaniline           | 7.998  | 127  | 166595   | 23.283    | ng    | # 38     |
| 37) 2-Methylnaphthalene       | 8.686  | 142  | 931052   | 89.858    | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.780  | 142  | 439556   | 44.150    | ng    | 100      |
| 50) Dimethylphthalate         | 9.722  | 163  | 52071    | 2.820     | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.722  | 165  | 38365    | 9.918     | ng    | # 26     |
| 54) 2,4-Dinitrophenol         | 10.010 | 184  | 199      | 7.405     | ng    | # 13     |
| 70) Pentachlorophenol         | 11.033 | 266  | 263      | 8.319     | ng    | # 19     |
| 77) Benzidine                 | 12.792 | 184  | 2284     | Below Cal |       | # 92     |

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

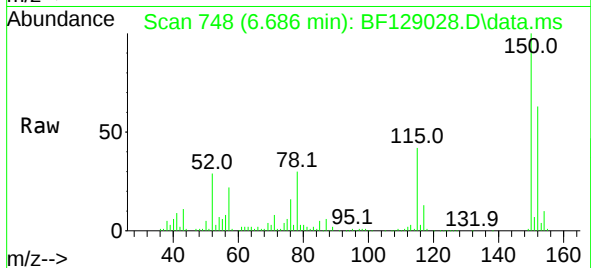
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 28 06:51:48 2022  
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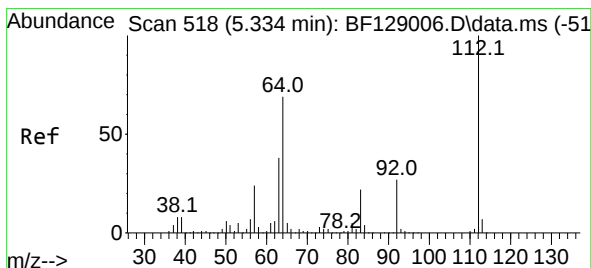
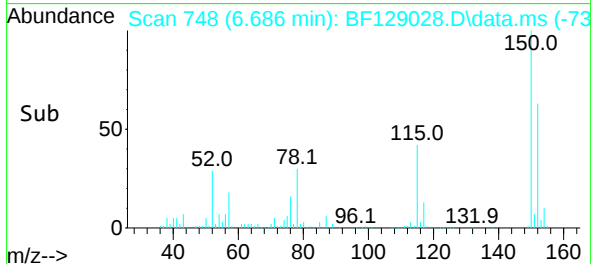
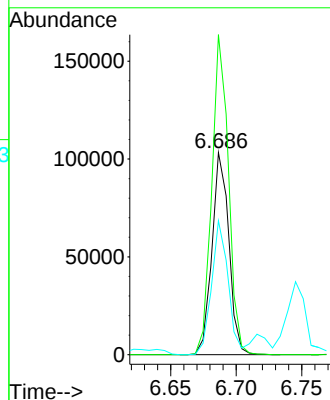


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.686 min Scan# 74  
Delta R.T. -0.001 min  
Lab File: BF129028.D  
Acq: 27 Jun 2022 13:49

Instrument :  
BNA\_F  
ClientSampleId :  
B2201-27.5DL

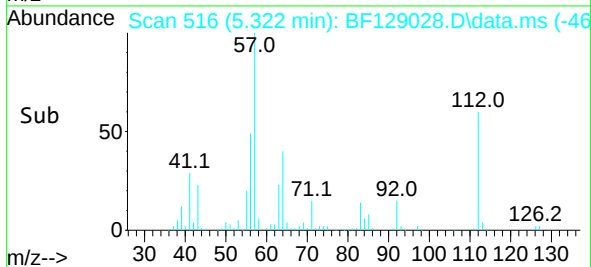
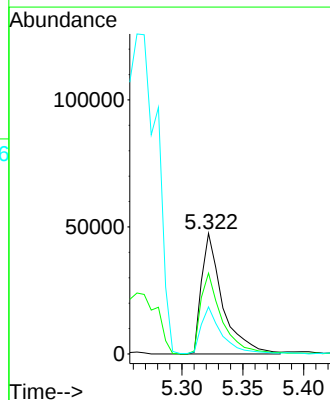
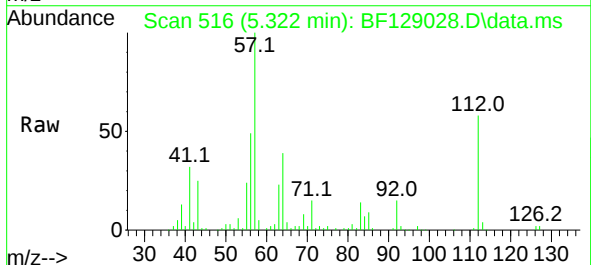


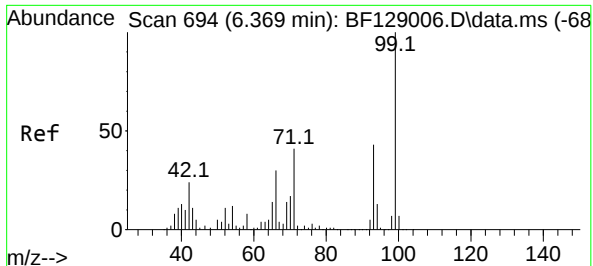
Tgt Ion:152 Resp: 92445  
Ion Ratio Lower Upper  
152 100  
150 158.4 123.7 185.5  
115 66.3 49.9 74.9



#5  
2-Fluorophenol  
Concen: 9.587 ng  
RT: 5.322 min Scan# 516  
Delta R.T. 0.012 min  
Lab File: BF129028.D  
Acq: 27 Jun 2022 13:49

Tgt Ion:112 Resp: 57086  
Ion Ratio Lower Upper  
112 100  
64 66.9 53.3 79.9  
63 39.0 28.0 42.0

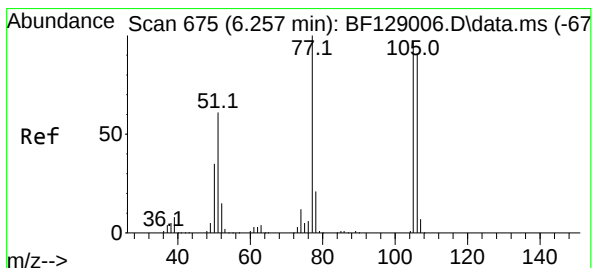
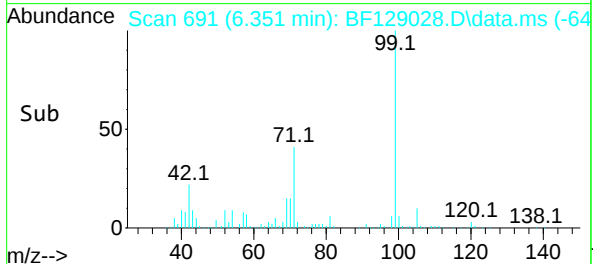
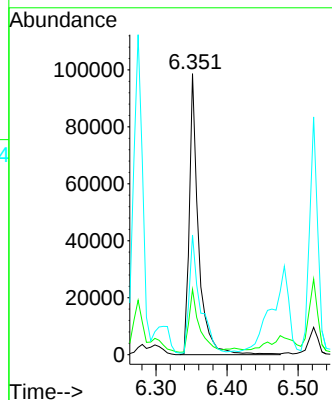
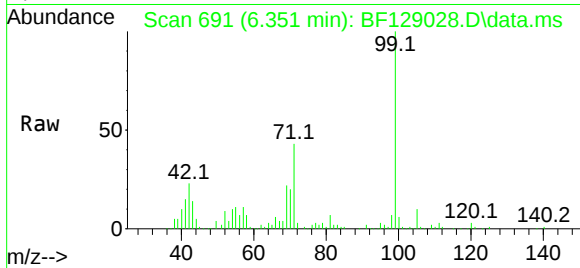




#7  
Phenol-d6  
Concen: 12.679 ng  
RT: 6.351 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BF129028.D  
Acq: 27 Jun 2022 13:49

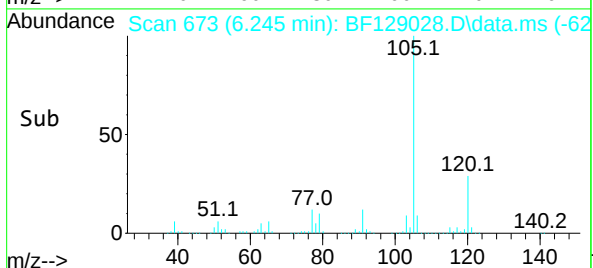
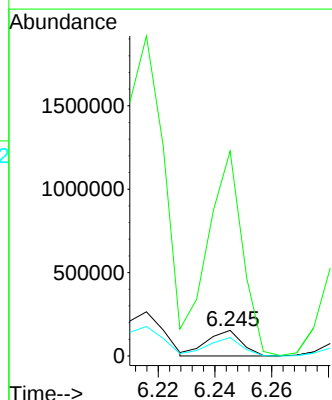
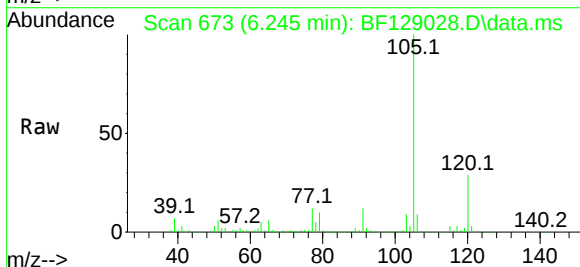
Instrument :  
BNA\_F  
ClientSampleId :  
B2201-27.5DL

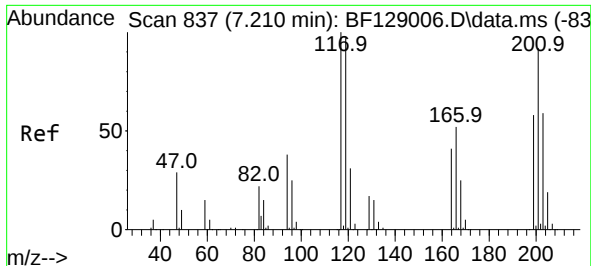
Tgt Ion: 99 Resp: 88256  
Ion Ratio Lower Upper  
99 100  
42 23.2 17.3 25.9  
71 42.6 28.9 43.3



#9  
Benzaldehyde  
Concen: 34.211 ng  
RT: 6.245 min Scan# 673  
Delta R.T. 0.006 min  
Lab File: BF129028.D  
Acq: 27 Jun 2022 13:49

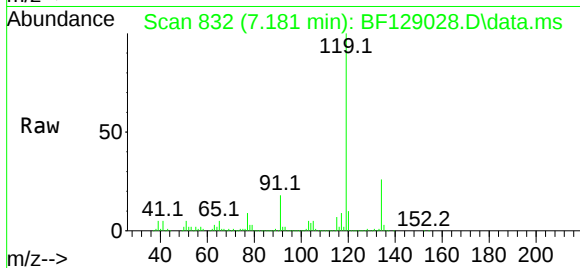
Tgt Ion: 77 Resp: 129798  
Ion Ratio Lower Upper  
77 100  
105 800.7 81.6 121.6#  
106 71.8 76.1 116.1#



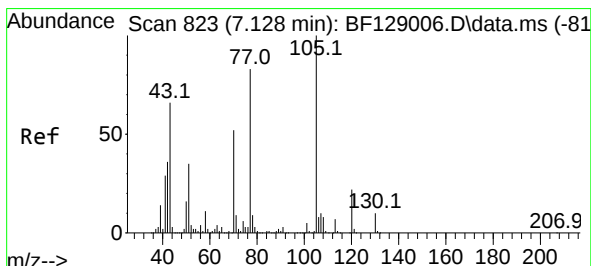
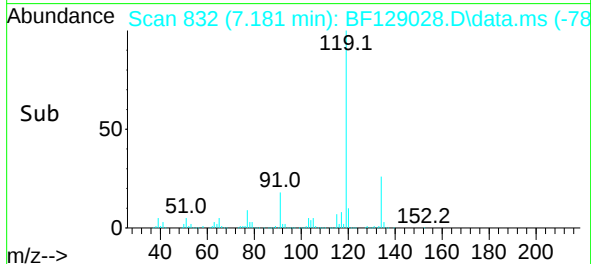
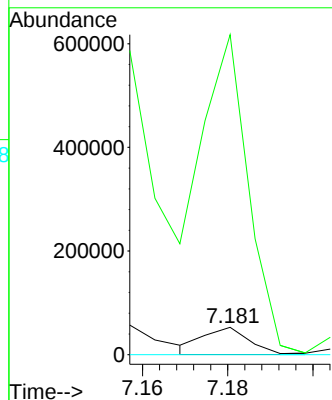


#18  
Hexachloroethane  
Concen: 16.076 ng  
RT: 7.181 min Scan# 811  
Delta R.T. -0.012 min  
Lab File: BF129028.D  
Acq: 27 Jun 2022 13:49

Instrument :  
BNA\_F  
ClientSampleId :  
B2201-27.5DL

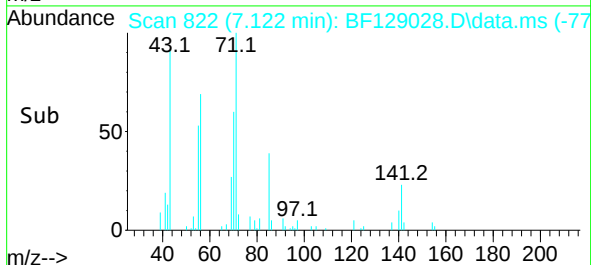
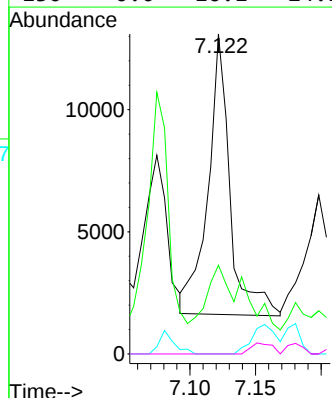
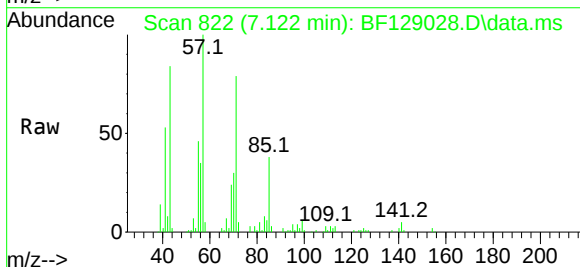


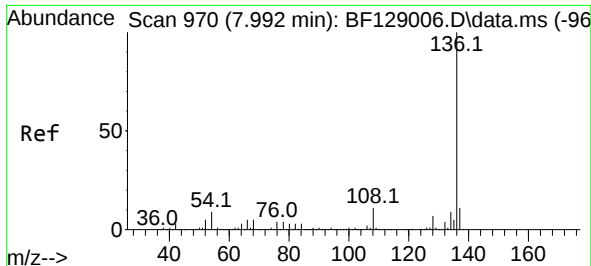
Tgt Ion:117 Resp: 39392  
Ion Ratio Lower Upper  
117 100  
119 1171.4 77.4 116.2#  
201 0.0 84.6 127.0#



#19  
n-Nitroso-di-n-propylamine  
Concen: 3.120 ng  
RT: 7.122 min Scan# 822  
Delta R.T. 0.006 min  
Lab File: BF129028.D  
Acq: 27 Jun 2022 13:49

Tgt Ion: 70 Resp: 13404  
Ion Ratio Lower Upper  
70 100  
42 27.7 52.3 78.5#  
101 0.0 7.5 11.3#  
130 0.0 16.1 24.1#



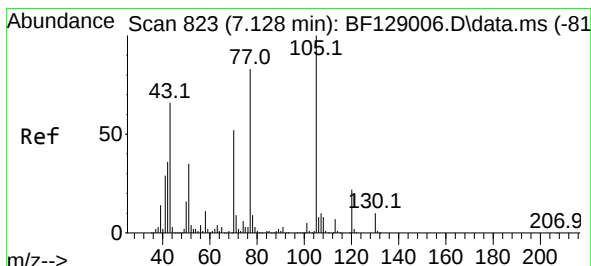
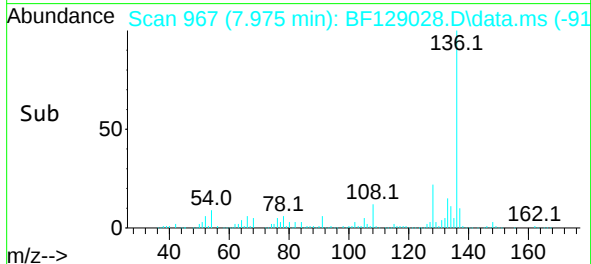
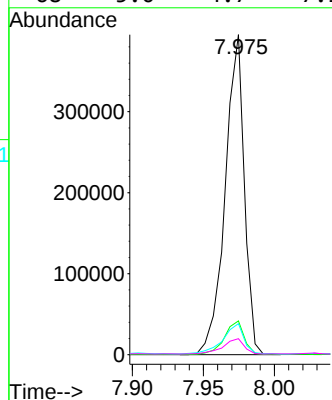
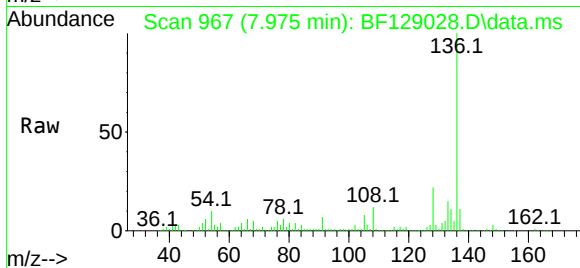


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.975 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF129028.D  
Acq: 27 Jun 2022 13:49

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:136 Resp: 369713

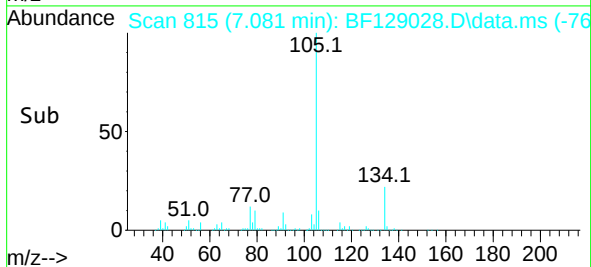
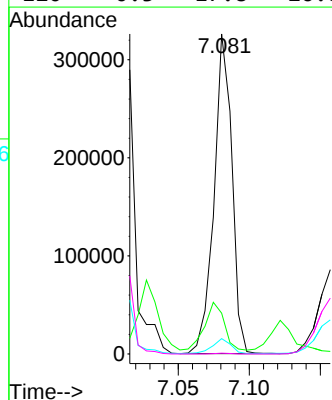
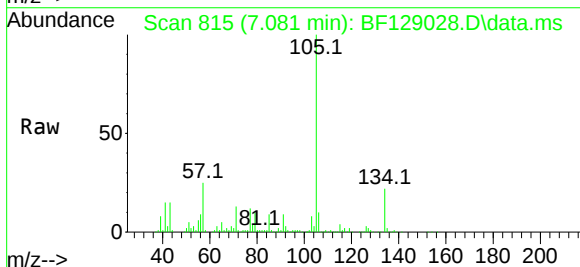
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.5  | 8.8   | 13.2  |
| 54  | 9.7   | 7.5   | 11.3  |
| 68  | 5.0   | 4.7   | 7.1   |

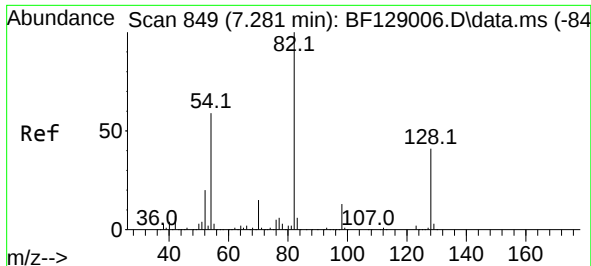


#22  
Acetophenone  
Concen: 29.255 ng  
RT: 7.081 min Scan# 815  
Delta R.T. -0.030 min  
Lab File: BF129028.D  
Acq: 27 Jun 2022 13:49

Tgt Ion:105 Resp: 285449

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 12.7  | 5.0   | 7.4#  |
| 51  | 4.8   | 25.0  | 37.4# |
| 120 | 0.3   | 17.8  | 26.8# |

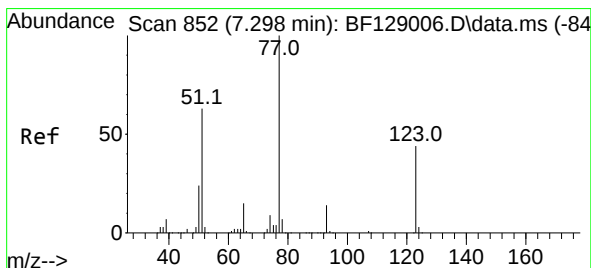
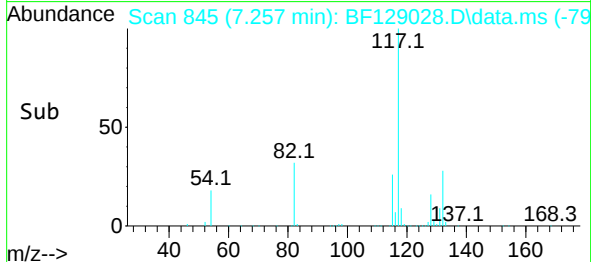
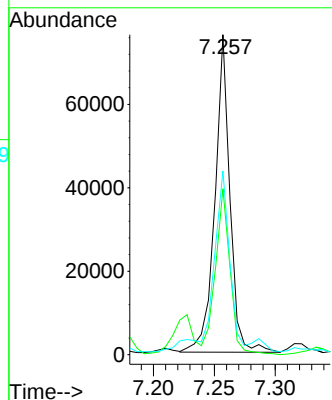
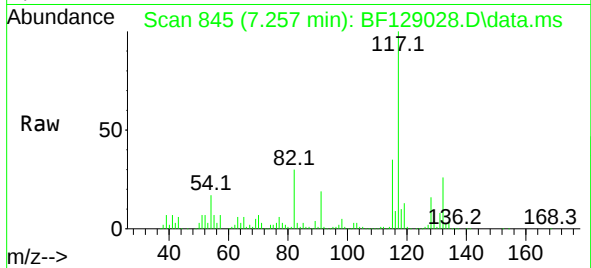




#23  
Nitrobenzene-d5  
Concen: 8.481 ng  
RT: 7.257 min Scan# 845  
Delta R.T. -0.006 min  
Lab File: BF129028.D  
Acq: 27 Jun 2022 13:49

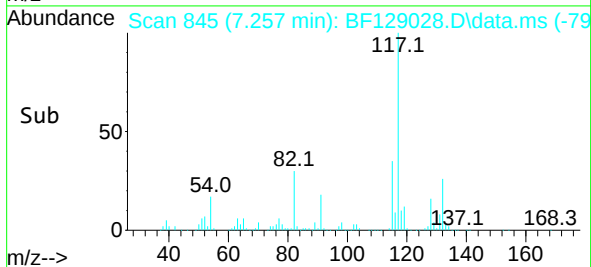
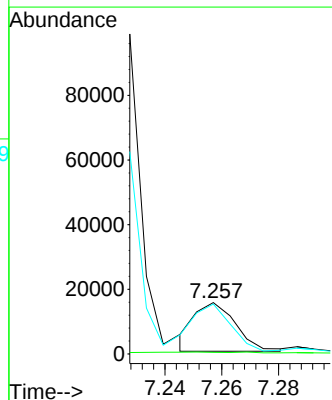
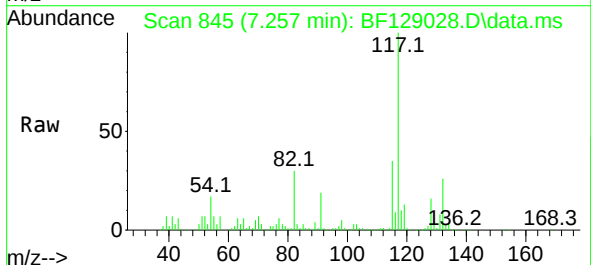
Instrument :  
BNA\_F  
ClientSampleId :  
B2201-27.5DL

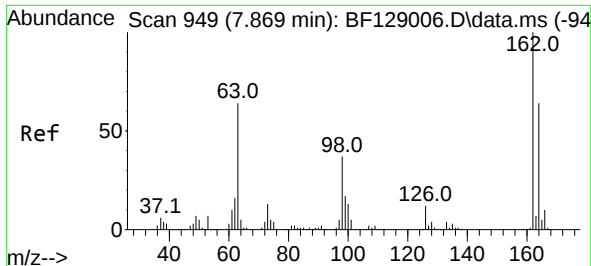
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Ion Ratio Lower Upper  
82 100  
128 51.8 34.0 51.0#  
54 57.4 46.9 70.3



#24  
Nitrobenzene  
Concen: 2.157 ng  
RT: 7.257 min Scan# 845  
Delta R.T. -0.024 min  
Lab File: BF129028.D  
Acq: 27 Jun 2022 13:49

Tgt Ion: 77 Resp: 15329  
Ion Ratio Lower Upper  
77 100  
123 3.2 35.4 53.2#  
65 97.3 11.8 17.8#





#29

2,4-Dichlorophenol

Concen: 3.998 ng

RT: 7.828 min Scan# 94

Delta R.T. -0.024 min

Lab File: BF129028.D

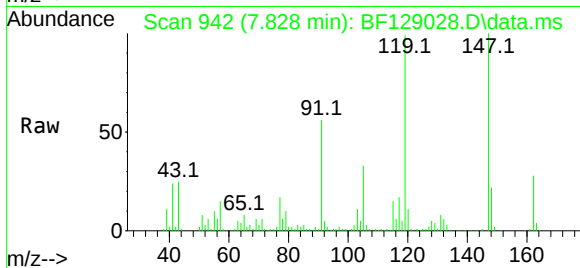
Acq: 27 Jun 2022 13:49

Instrument :

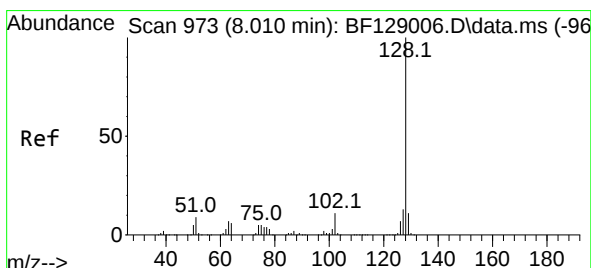
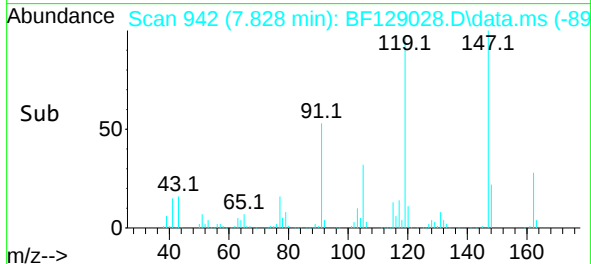
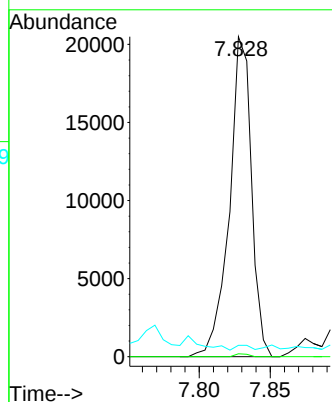
BNA\_F

ClientSampleId :

B2201-27.5DL



|             |       |            |
|-------------|-------|------------|
| Tgt Ion:162 | Resp: | 22100      |
| Ion Ratio   | Lower | Upper      |
| 162         | 100   |            |
| 164         | 0.9   | 44.2 84.2# |
| 98          | 3.5   | 19.6 59.6# |



#31

Naphthalene

Concen: 67.525 ng

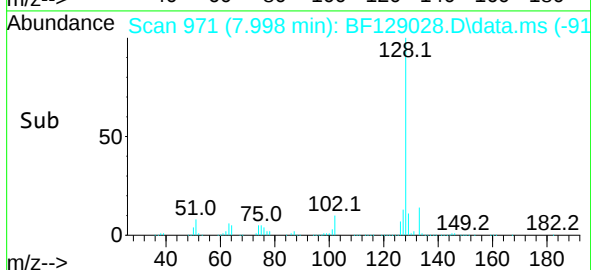
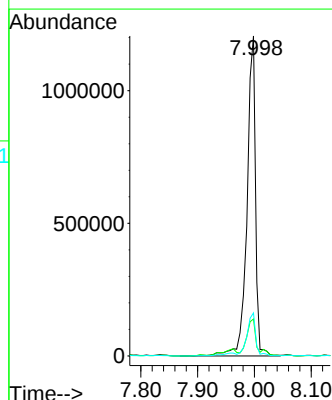
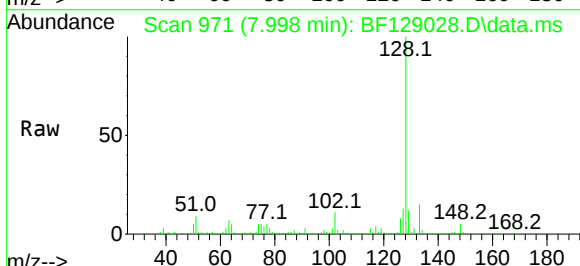
RT: 7.998 min Scan# 971

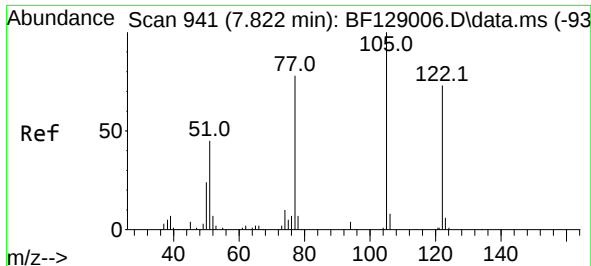
Delta R.T. 0.006 min

Lab File: BF129028.D

Acq: 27 Jun 2022 13:49

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 1253868   |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 129         | 11.6  | 9.2 13.8  |
| 127         | 13.4  | 10.5 15.7 |

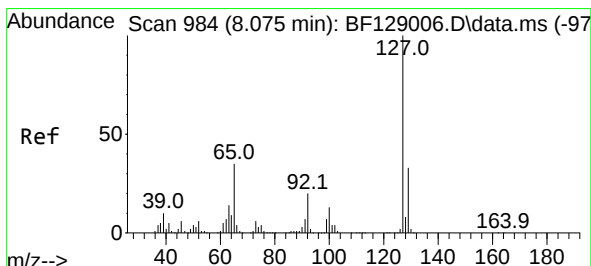
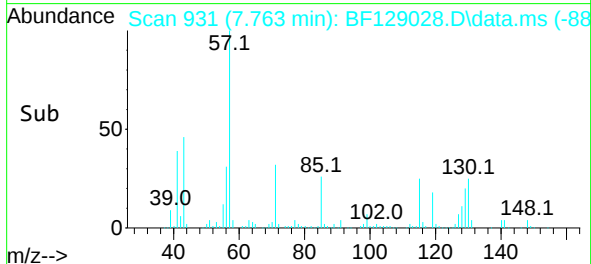
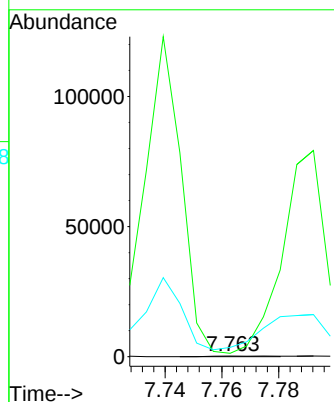
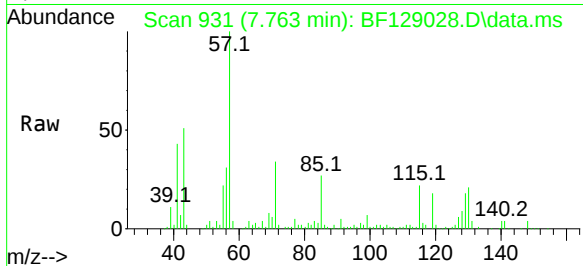




#32  
Benzoic acid  
Concen: 4.233 ng  
RT: 7.763 min Scan# 911  
Delta R.T. -0.041 min  
Lab File: BF129028.D  
Acq: 27 Jun 2022 13:49

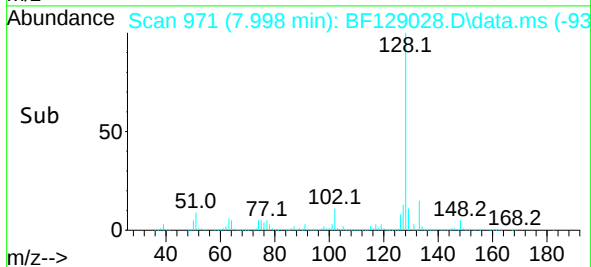
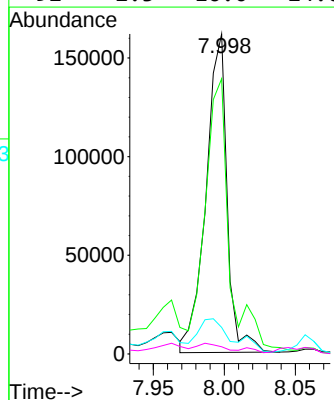
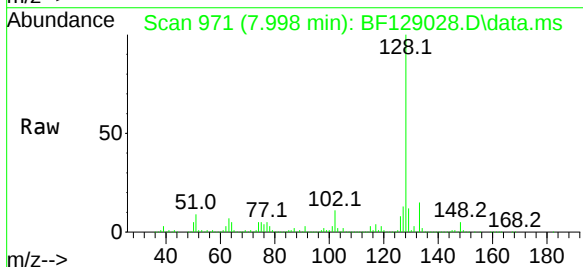
Instrument :  
BNA\_F  
ClientSampleId :  
B2201-27.5DL

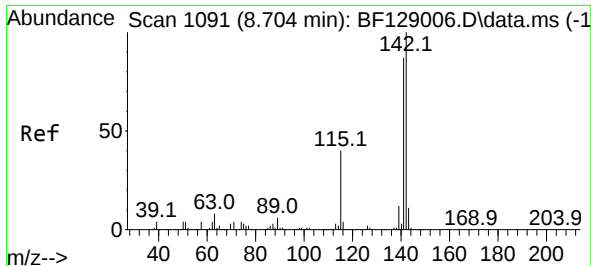
Tgt Ion:122 Resp: 384  
Ion Ratio Lower Upper  
122 100  
105 459.8 107.1 147.1#  
77 1264.4 74.2 114.2#



#33  
4-Chloroaniline  
Concen: 23.283 ng  
RT: 7.998 min Scan# 971  
Delta R.T. -0.059 min  
Lab File: BF129028.D  
Acq: 27 Jun 2022 13:49

Tgt Ion:127 Resp: 166595  
Ion Ratio Lower Upper  
127 100  
129 86.0 26.4 39.6#  
65 8.3 26.4 39.6#  
92 2.3 16.0 24.0#





#37

2-Methylnaphthalene

Concen: 89.858 ng

RT: 8.686 min Scan# 1104

Delta R.T. -0.000 min

Lab File: BF129028.D

Acq: 27 Jun 2022 13:49

Instrument :

BNA\_F

ClientSampleId :

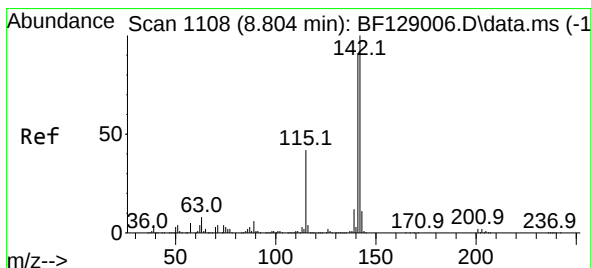
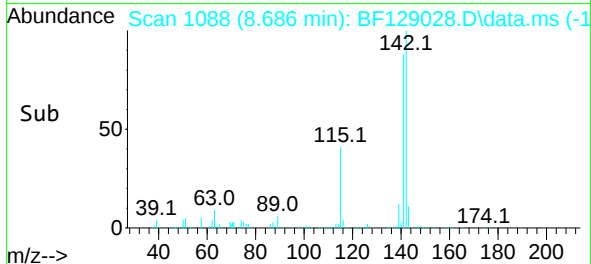
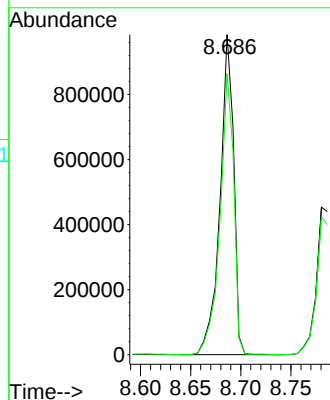
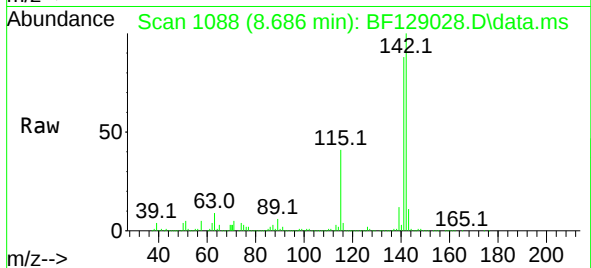
B2201-27.5DL

Tgt Ion:142 Resp: 931052

Ion Ratio Lower Upper

142 100

141 87.8 71.0 106.4



#38

1-Methylnaphthalene

Concen: 44.150 ng

RT: 8.780 min Scan# 1104

Delta R.T. -0.006 min

Lab File: BF129028.D

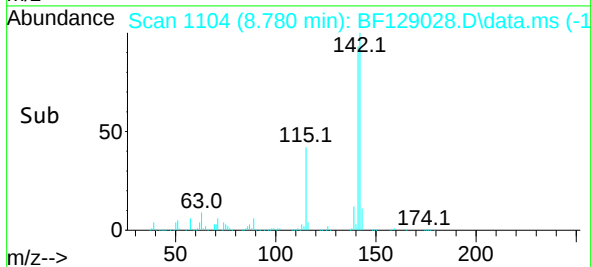
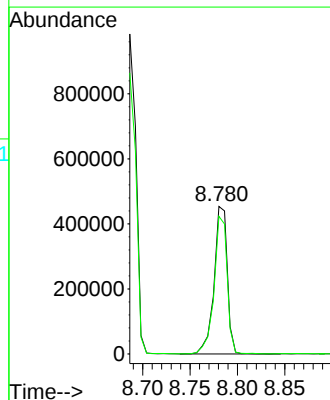
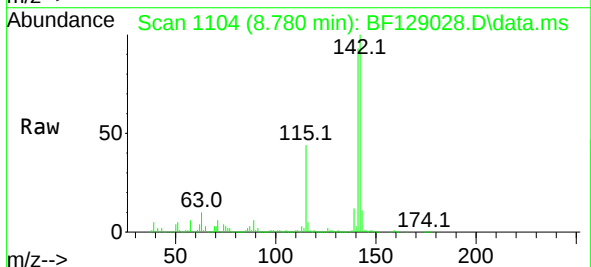
Acq: 27 Jun 2022 13:49

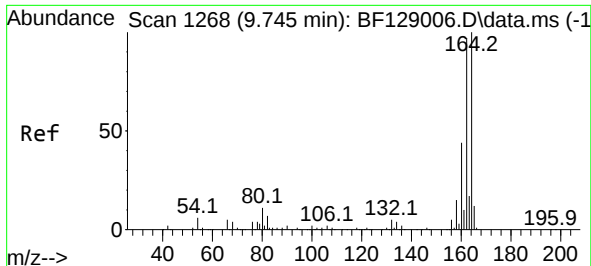
Tgt Ion:142 Resp: 439556

Ion Ratio Lower Upper

142 100

141 93.3 74.2 111.4

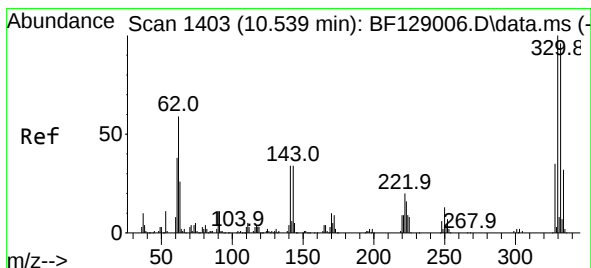
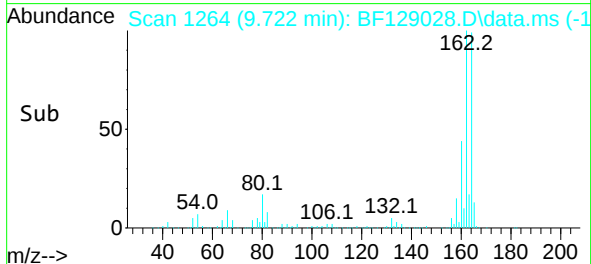
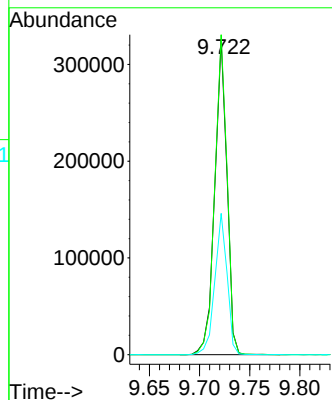
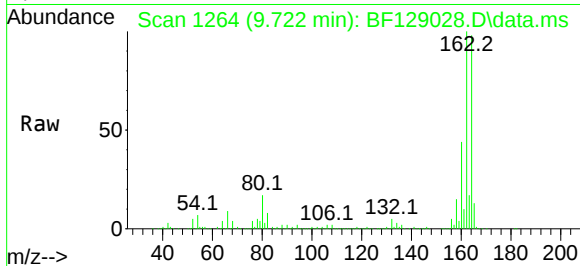




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.722 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129028.D  
Acq: 27 Jun 2022 13:49

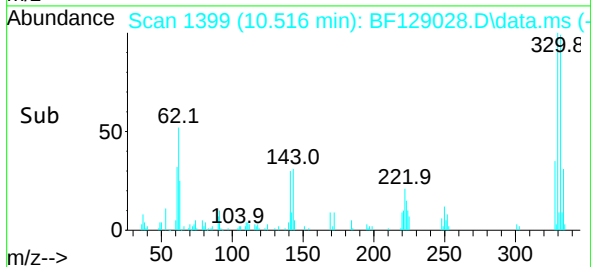
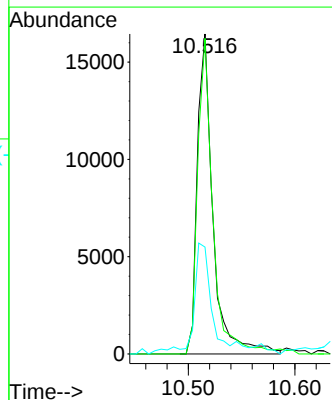
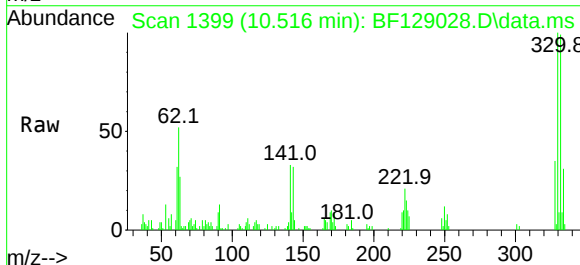
Instrument :  
BNA\_F  
ClientSampleId :  
B2201-27.5DL

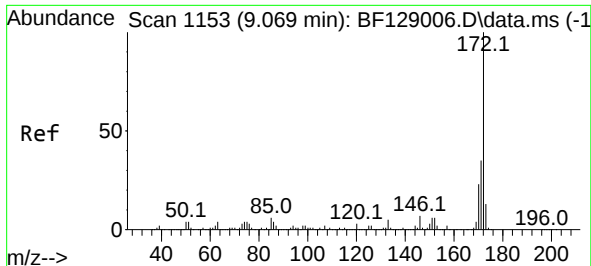
Tgt Ion:164 Resp: 277967  
Ion Ratio Lower Upper  
164 100  
162 101.6 79.5 119.3  
160 44.8 34.2 51.4



#42  
2,4,6-Tribromophenol  
Concen: 5.836 ng  
RT: 10.516 min Scan# 1399  
Delta R.T. -0.006 min  
Lab File: BF129028.D  
Acq: 27 Jun 2022 13:49

Tgt Ion:330 Resp: 16842  
Ion Ratio Lower Upper  
330 100  
332 96.9 76.8 115.2  
141 40.8 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 8.705 ng

RT: 9.045 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF129028.D

Acq: 27 Jun 2022 13:49

Instrument :

BNA\_F

ClientSampleId :

B2201-27.5DL

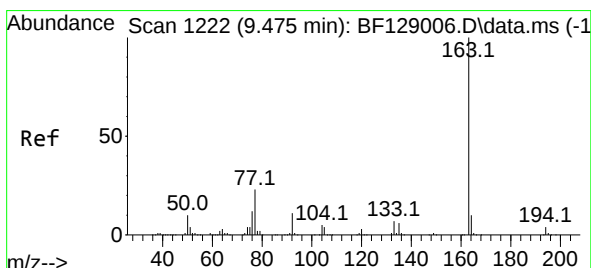
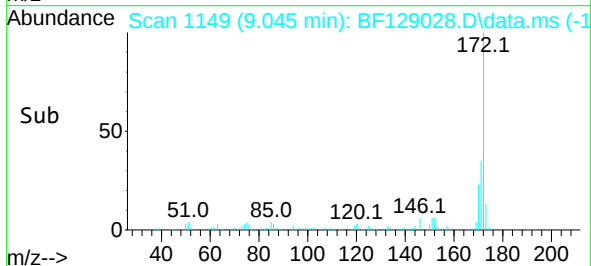
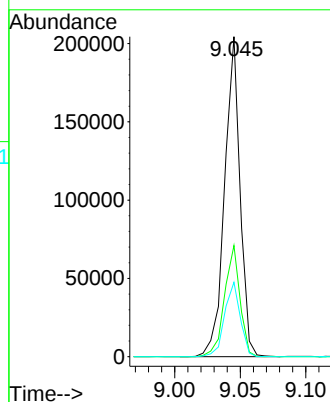
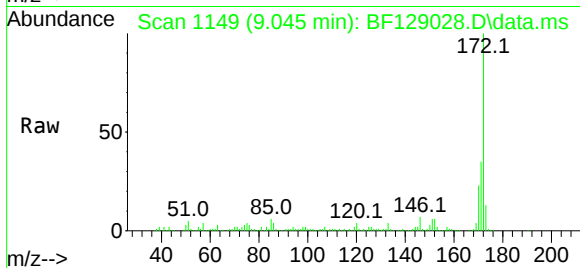
Tgt Ion:172 Resp: 167000

Ion Ratio Lower Upper

172 100

171 34.7 28.8 43.2

170 23.2 19.8 29.8



#50

Dimethylphthalate

Concen: 2.820 ng

RT: 9.722 min Scan# 1264

Delta R.T. 0.259 min

Lab File: BF129028.D

Acq: 27 Jun 2022 13:49

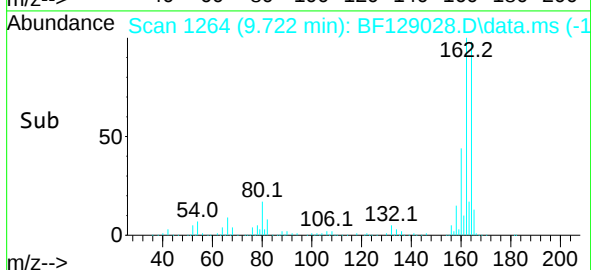
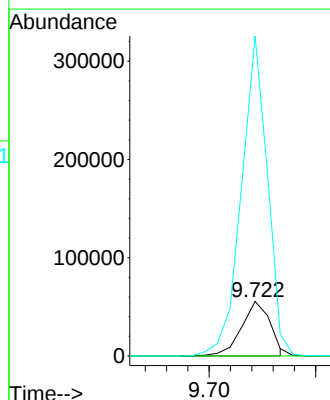
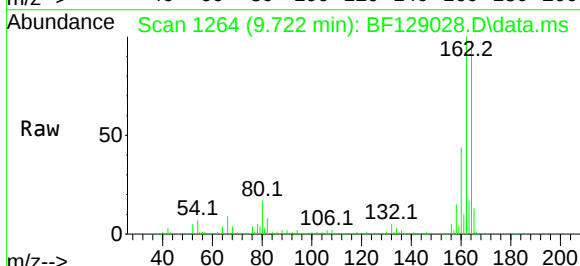
Tgt Ion:163 Resp: 52071

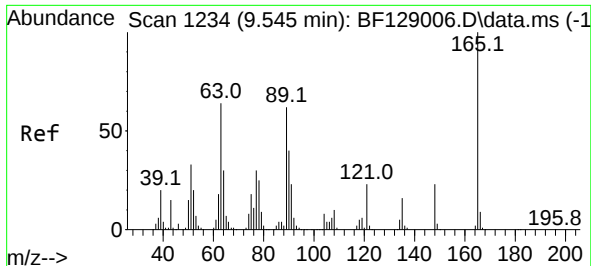
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 587.0 8.2 12.2#





#51

2,6-Dinitrotoluene

Concen: 9.918 ng

RT: 9.722 min Scan# 1313

Delta R.T. 0.194 min

Lab File: BF129028.D

Acq: 27 Jun 2022 13:49

Instrument :

BNA\_F

ClientSampleId :

B2201-27.5DL

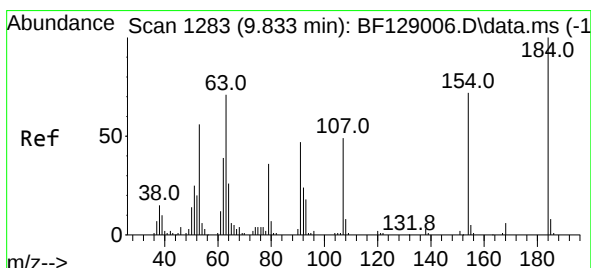
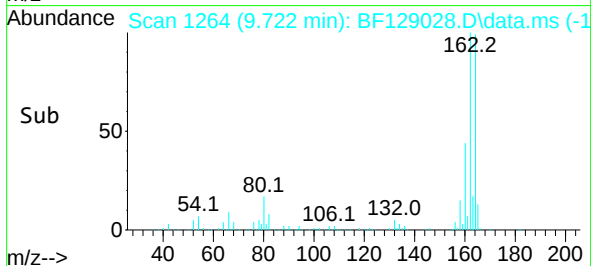
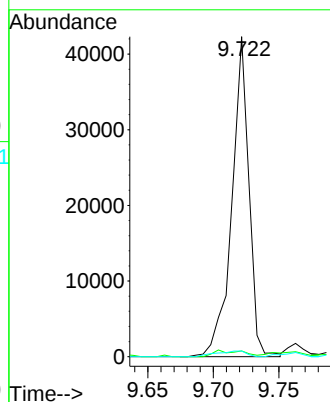
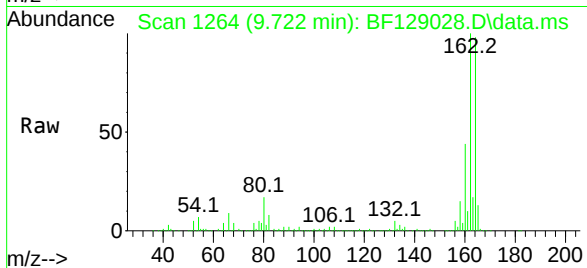
Tgt Ion:165 Resp: 38365

Ion Ratio Lower Upper

165 100

63 1.8 44.9 67.3#

89 1.8 43.6 65.4#



#54

2,4-Dinitrophenol

Concen: 7.405 ng

RT: 10.010 min Scan# 1313

Delta R.T. 0.194 min

Lab File: BF129028.D

Acq: 27 Jun 2022 13:49

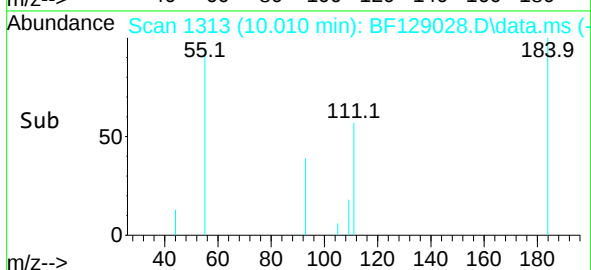
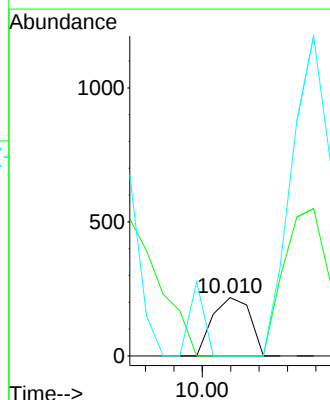
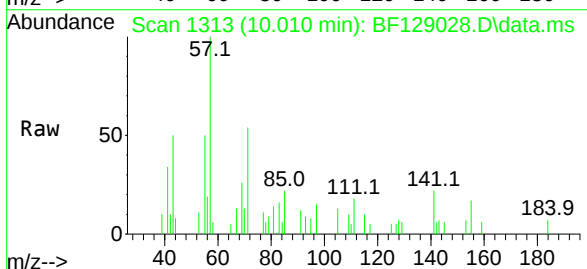
Tgt Ion:184 Resp: 199

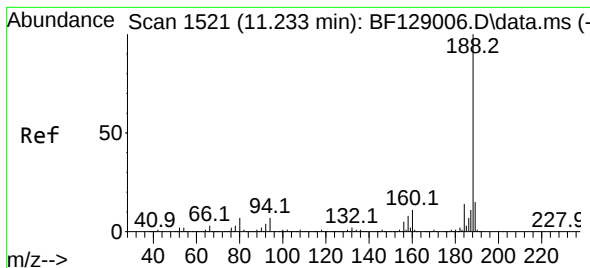
Ion Ratio Lower Upper

184 100

63 0.0 64.5 96.7#

154 0.0 50.6 75.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.210 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129028.D

Acq: 27 Jun 2022 13:49

Instrument :

BNA\_F

ClientSampleId :

B2201-27.5DL

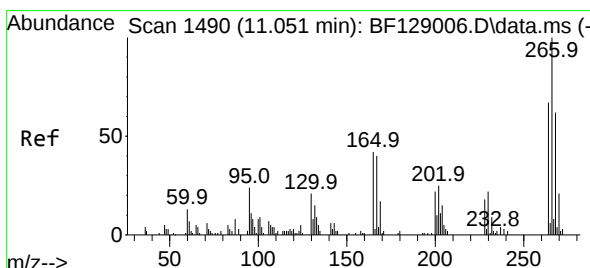
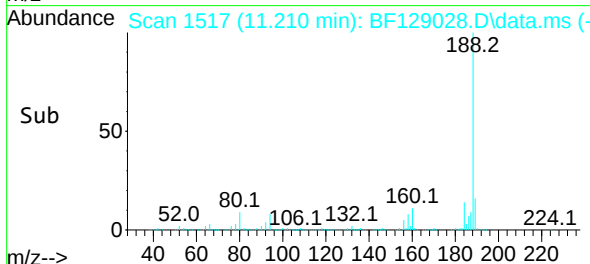
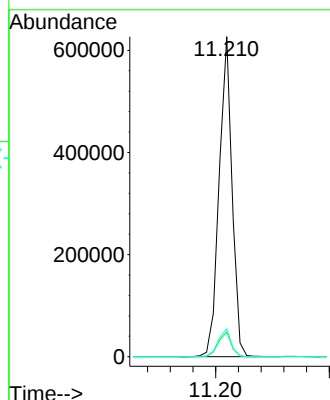
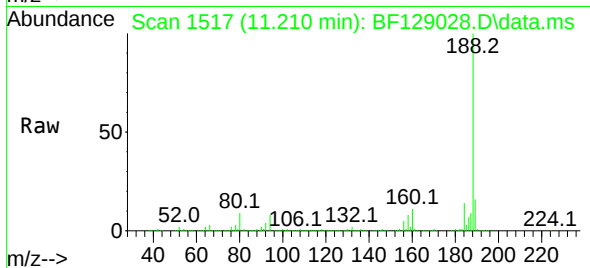
Tgt Ion:188 Resp: 497026

Ion Ratio Lower Upper

188 100

94 7.7 7.0 10.6

80 8.7 7.6 11.4



#70

Pentachlorophenol

Concen: 8.319 ng

RT: 11.033 min Scan# 1487

Delta R.T. -0.000 min

Lab File: BF129028.D

Acq: 27 Jun 2022 13:49

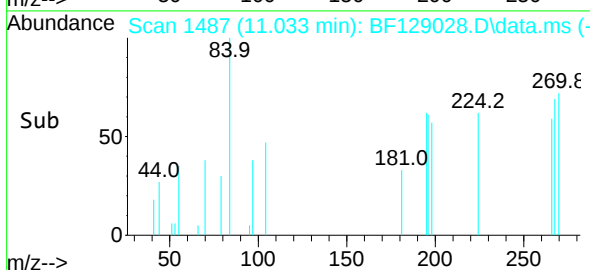
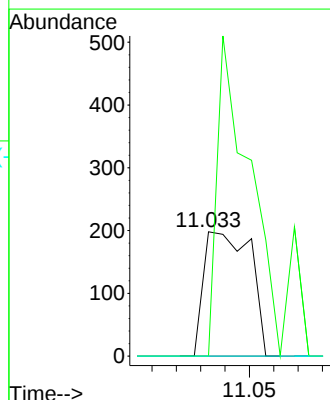
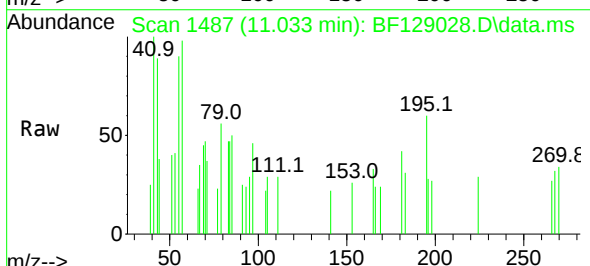
Tgt Ion:266 Resp: 263

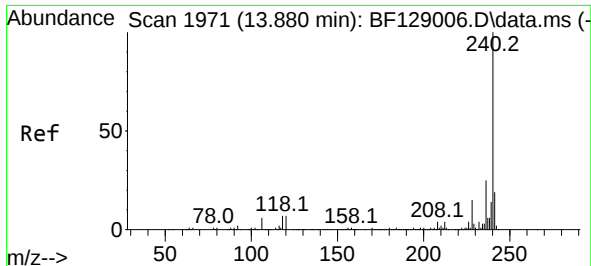
Ion Ratio Lower Upper

266 100

268 0.0 51.0 76.4#

264 0.0 49.4 74.2#

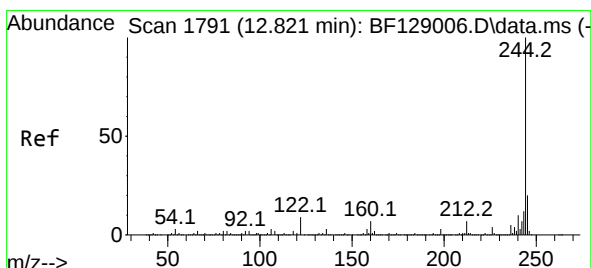
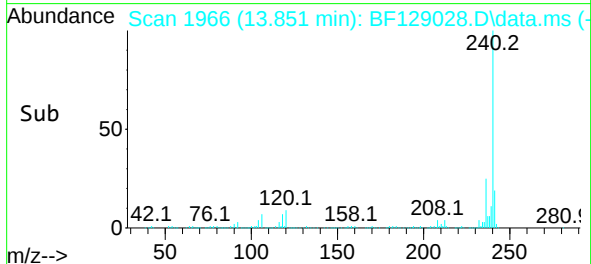
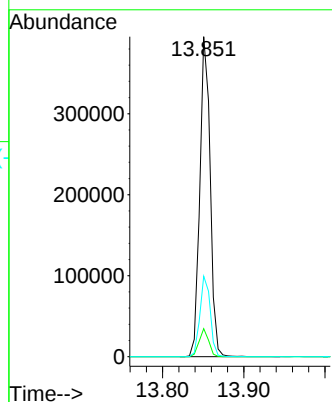
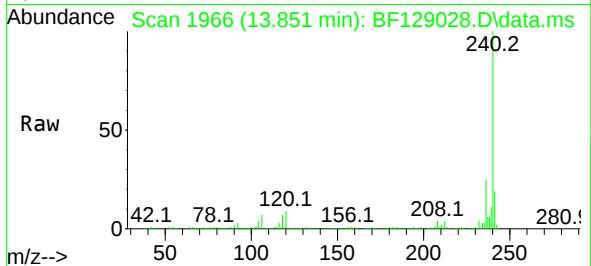




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.851 min Scan# 1971  
Delta R.T. -0.006 min  
Lab File: BF129028.D  
Acq: 27 Jun 2022 13:49

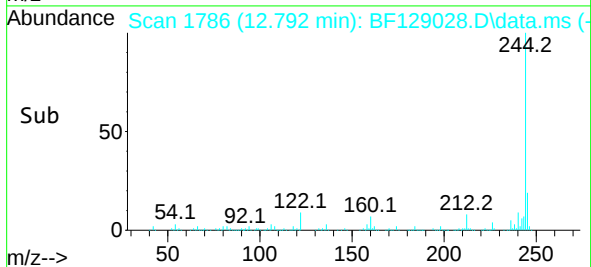
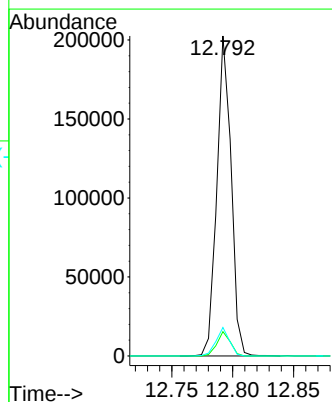
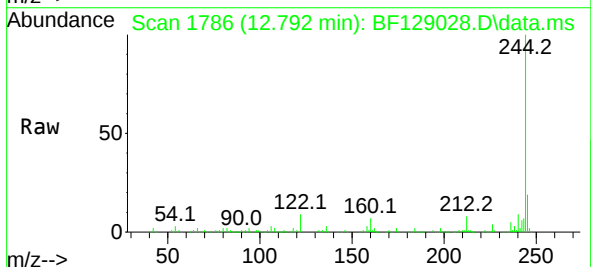
Instrument :  
BNA\_F  
ClientSampleId :  
B2201-27.5DL

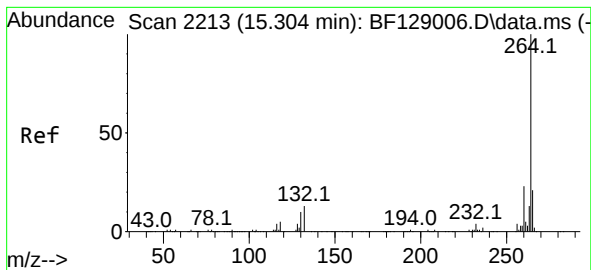
Tgt Ion:240 Resp: 351032  
Ion Ratio Lower Upper  
240 100  
120 8.7 8.9 13.3#  
236 25.1 20.8 31.2



#79  
Terphenyl-d14  
Concen: 8.710 ng  
RT: 12.792 min Scan# 1786  
Delta R.T. -0.012 min  
Lab File: BF129028.D  
Acq: 27 Jun 2022 13:49

Tgt Ion:244 Resp: 164941  
Ion Ratio Lower Upper  
244 100  
212 7.6 6.1 9.1  
122 8.9 8.8 13.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.280 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF129028.D

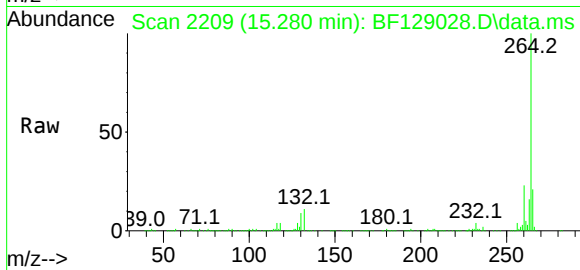
Acq: 27 Jun 2022 13:49

Instrument :

BNA\_F

ClientSampleId :

B2201-27.5DL



Tgt Ion:264 Resp: 296078

Ion Ratio Lower Upper

264 100

260 23.2 18.4 27.6

265 21.0 17.2 25.8

