

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081122\  
 Data File : BF129727.D  
 Acq On : 11 Aug 2022 21:41  
 Operator : CG\JU  
 Sample : N4130-05  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB05

Quant Time: Aug 12 00:03:52 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 11 23:50:03 2022  
 Response via : Initial Calibration

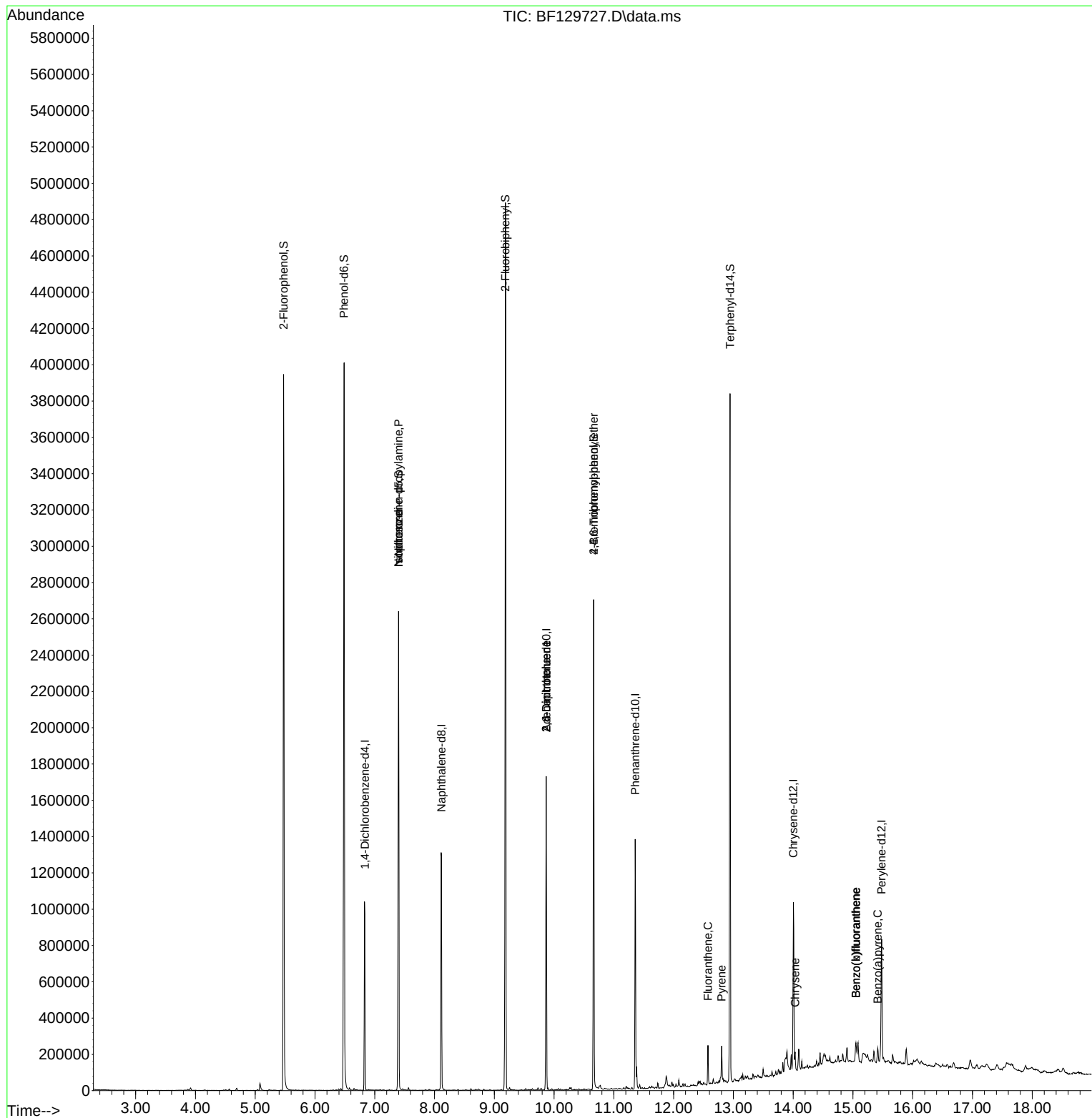
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.834  | 152  | 159347   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.116  | 136  | 626802   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.869  | 164  | 317074   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.357 | 188  | 454788   | 20.000  | ng    | #-0.01   |
| 76) Chrysene-d12              | 14.004 | 240  | 290589   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 15.480 | 264  | 292707   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 1101604  | 112.617 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.487  | 99   | 1378057  | 112.080 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.398  | 82   | 876151   | 76.305  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 291530   | 95.633  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.186  | 172  | 1588540  | 77.502  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.945 | 244  | 1207211  | 78.375  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.398  | 70   | 118125   | 15.870  | ng    | # 73     |
| 25) Isophorone                | 7.398  | 82   | 876140   | 42.568  | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.869  | 165  | 40237    | 8.213   | ng    | # 25     |
| 57) 2,4-Dinitrotoluene        | 9.869  | 165  | 40237    | 6.287   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 10.663 | 248  | 18269    | 3.668   | ng    | # 1      |
| 75) Fluoranthene              | 12.574 | 202  | 74646    | 2.968   | ng    | 100      |
| 78) Pyrene                    | 12.804 | 202  | 72140    | 2.969   | ng    | 98       |
| 83) Chrysene                  | 14.033 | 228  | 38440    | 2.055   | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.051 | 252  | 71816    | 3.699   | ng    | # 94     |
| 89) Benzo(k)fluoranthene      | 15.051 | 252  | 71816    | 3.774   | ng    | # 95     |
| 90) Benzo(a)pyrene            | 15.415 | 252  | 36472    | 2.314   | ng    | # 97     |
| -----                         |        |      |          |         |       |          |

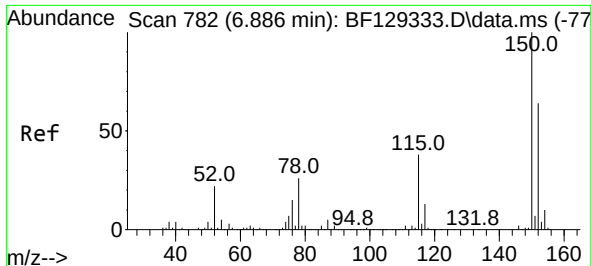
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081122\  
Data File : BF129727.D  
Acq On : 11 Aug 2022 21:41  
Operator : CG\JU  
Sample : N4130-05  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB05

Quant Time: Aug 12 00:03:52 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 11 23:50:03 2022  
Response via : Initial Calibration

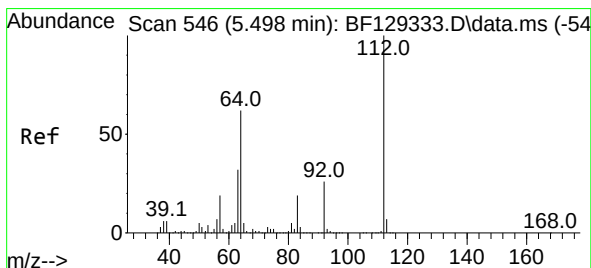
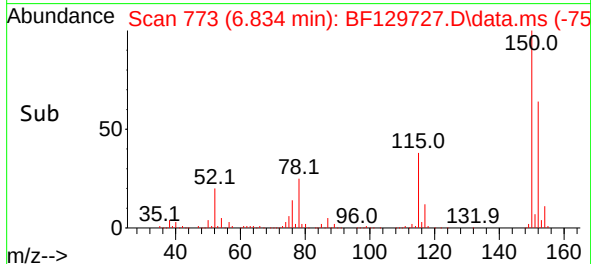
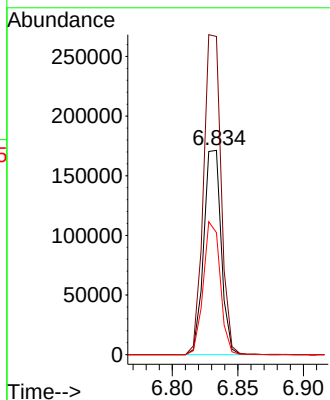
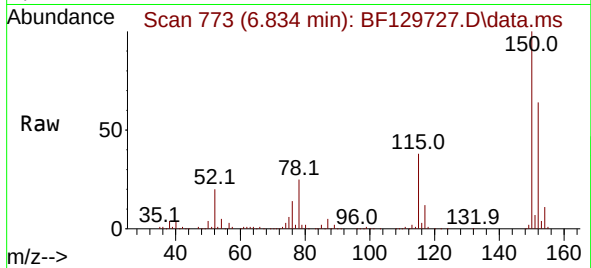




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.834 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF129727.D  
Acq: 11 Aug 2022 21:41

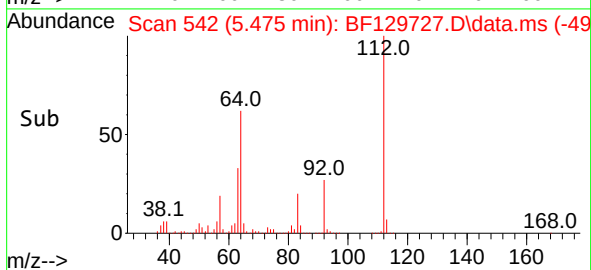
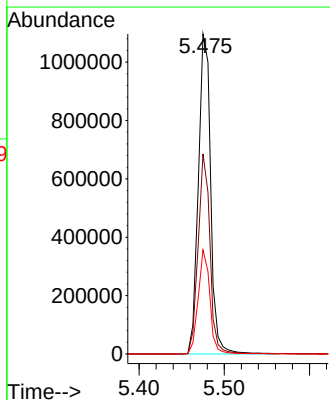
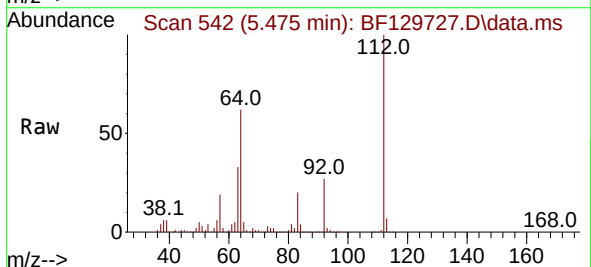
Instrument :  
BNA\_F  
ClientSampleId :  
SB05

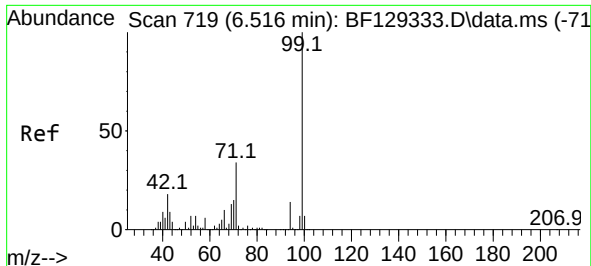
Tgt Ion:152 Resp: 159347  
Ion Ratio Lower Upper  
152 100  
150 155.7 123.7 185.5  
115 59.7 49.9 74.9



#5  
2-Fluorophenol  
Concen: 112.617 ng  
RT: 5.475 min Scan# 542  
Delta R.T. 0.006 min  
Lab File: BF129727.D  
Acq: 11 Aug 2022 21:41

Tgt Ion:112 Resp: 1101604  
Ion Ratio Lower Upper  
112 100  
64 62.5 53.3 79.9  
63 32.5 28.0 42.0



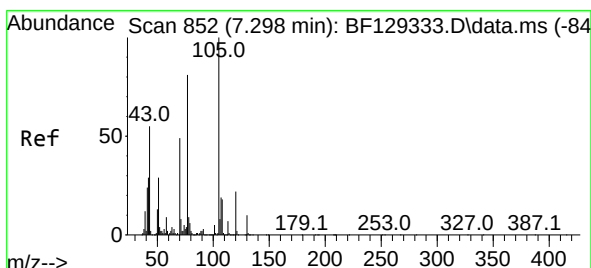
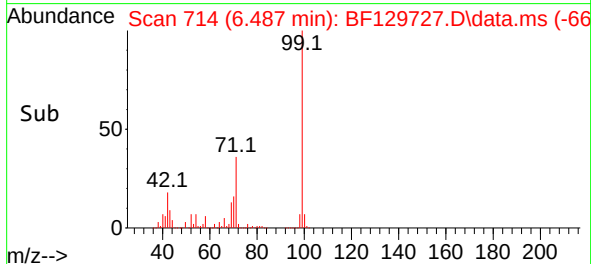
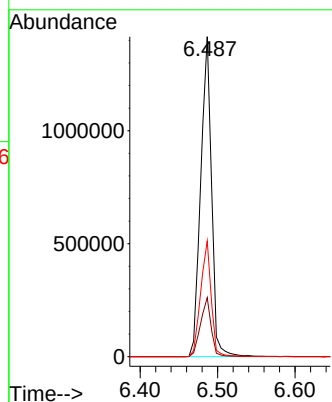
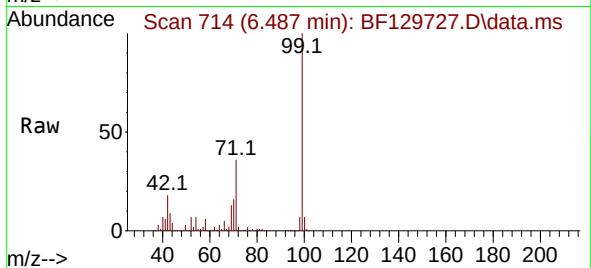


#7  
Phenol-d6  
Concen: 112.080 ng  
RT: 6.487 min Scan# 719  
Delta R.T. -0.006 min  
Lab File: BF129727.D  
Acq: 11 Aug 2022 21:41

Instrument :  
BNA\_F  
ClientSampleId :  
SB05

Tgt Ion: 99 Resp: 1378057

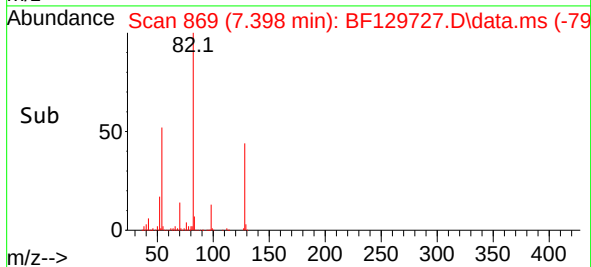
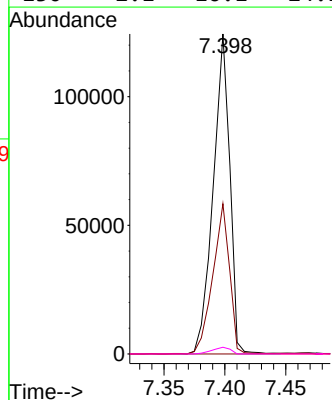
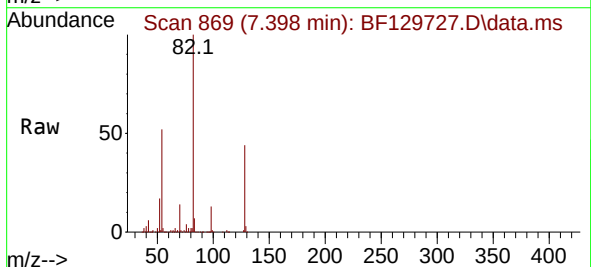
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.5  | 17.3  | 25.9  |
| 71  | 36.2  | 28.9  | 43.3  |

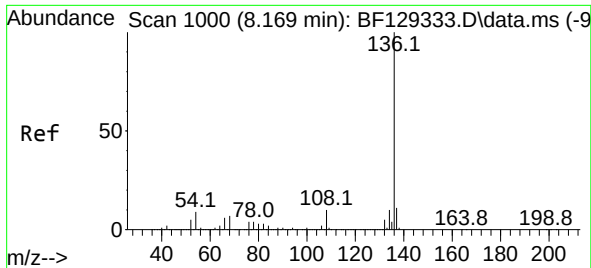


#19  
n-Nitroso-di-n-propylamine  
Concen: 15.870 ng  
RT: 7.398 min Scan# 869  
Delta R.T. 0.141 min  
Lab File: BF129727.D  
Acq: 11 Aug 2022 21:41

Tgt Ion: 70 Resp: 118125

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 46.9  | 52.3  | 78.5# |
| 101 | 0.0   | 7.5   | 11.3# |
| 130 | 2.1   | 16.1  | 24.1# |

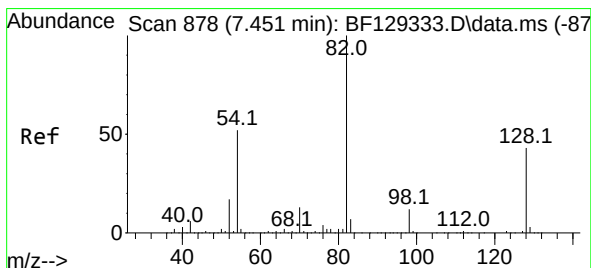
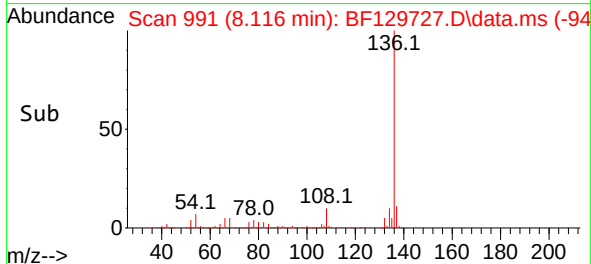
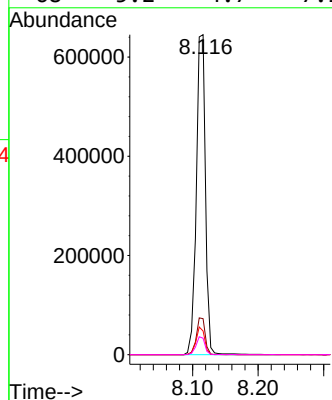
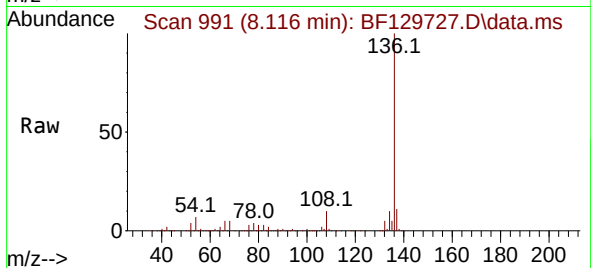




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF129727.D  
Acq: 11 Aug 2022 21:41

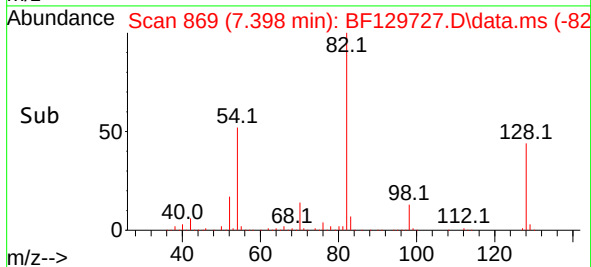
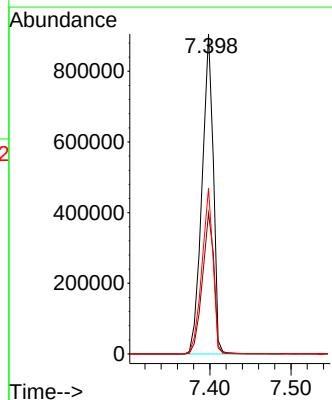
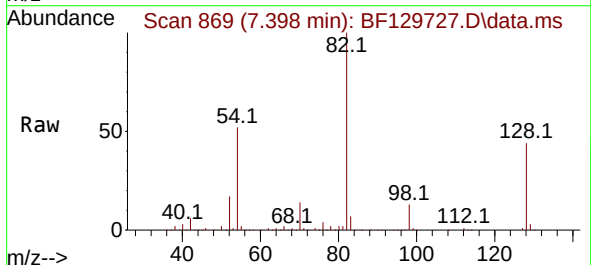
Instrument :  
BNA\_F  
ClientSampleId :  
SB05

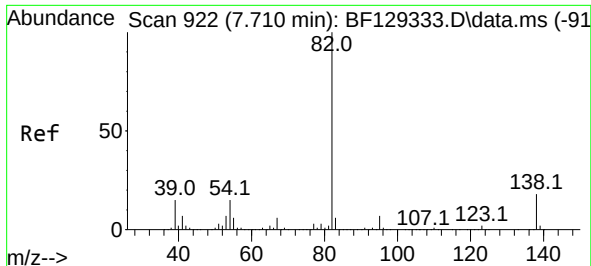
Tgt Ion:136 Resp: 626802  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 7.4 7.5 11.3#  
68 5.2 4.7 7.1



#23  
Nitrobenzene-d5  
Concen: 76.305 ng  
RT: 7.398 min Scan# 869  
Delta R.T. -0.012 min  
Lab File: BF129727.D  
Acq: 11 Aug 2022 21:41

Tgt Ion: 82 Resp: 876151  
Ion Ratio Lower Upper  
82 100  
128 44.0 34.0 51.0  
54 51.8 46.9 70.3

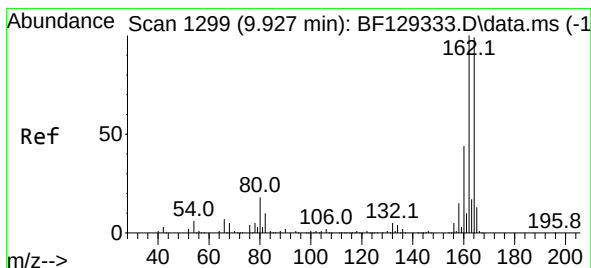
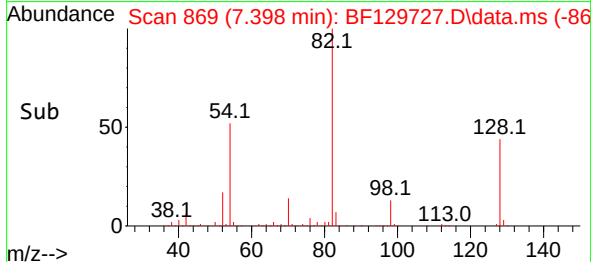
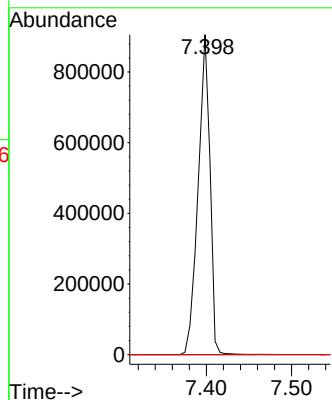
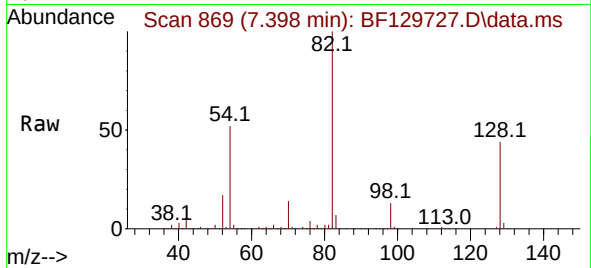




#25  
Isophorone  
Concen: 42.568 ng  
RT: 7.398 min Scan# 80  
Delta R.T. -0.265 min  
Lab File: BF129727.D  
Acq: 11 Aug 2022 21:41

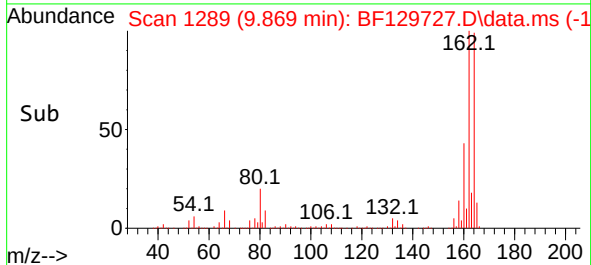
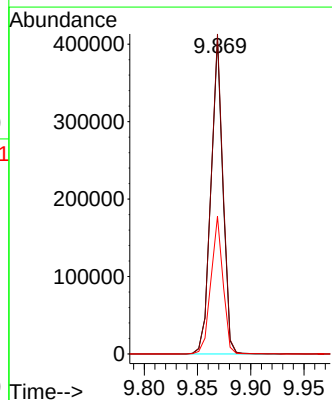
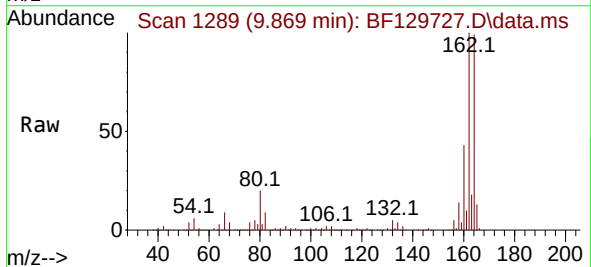
Instrument :  
BNA\_F  
ClientSampleId :  
SB05

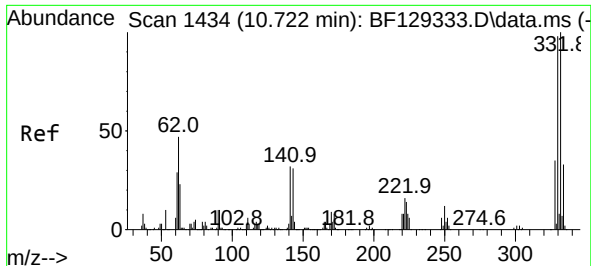
Tgt Ion: 82 Resp: 876140  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.869 min Scan# 1289  
Delta R.T. -0.012 min  
Lab File: BF129727.D  
Acq: 11 Aug 2022 21:41

Tgt Ion:164 Resp: 317074  
Ion Ratio Lower Upper  
164 100  
162 101.4 79.5 119.3  
160 43.6 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 95.633 ng

RT: 10.663 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129727.D

Acq: 11 Aug 2022 21:41

Instrument :

BNA\_F

ClientSampleId :

SB05

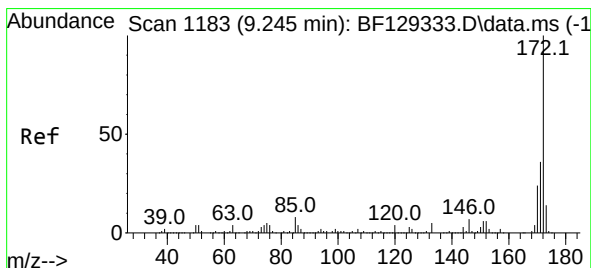
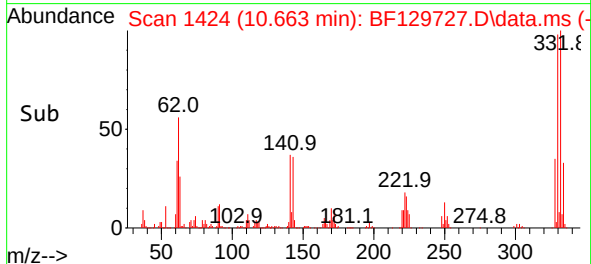
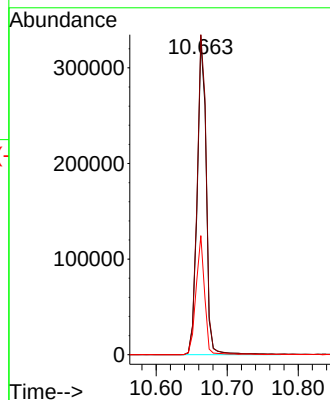
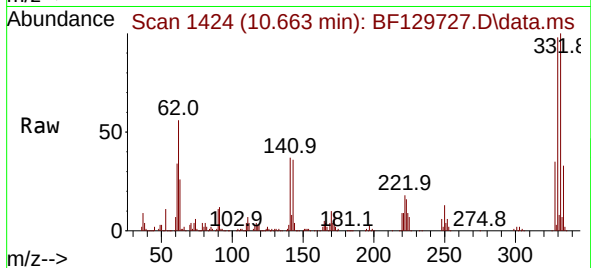
Tgt Ion:330 Resp: 291530

Ion Ratio Lower Upper

330 100

332 103.8 76.8 115.2

141 35.9 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 77.502 ng

RT: 9.186 min Scan# 1173

Delta R.T. -0.012 min

Lab File: BF129727.D

Acq: 11 Aug 2022 21:41

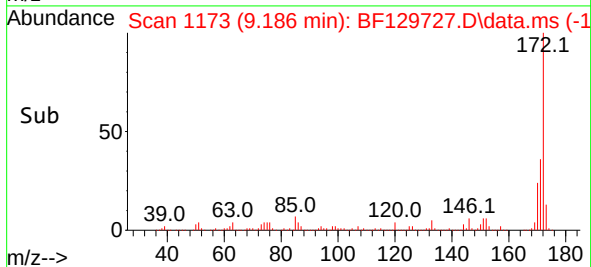
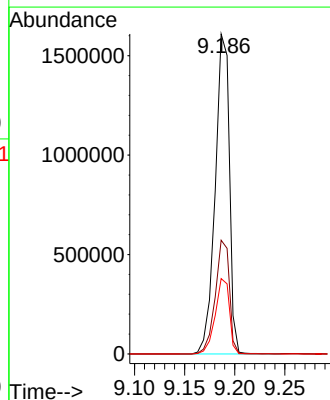
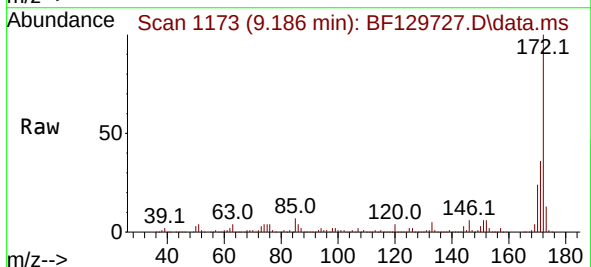
Tgt Ion:172 Resp: 1588540

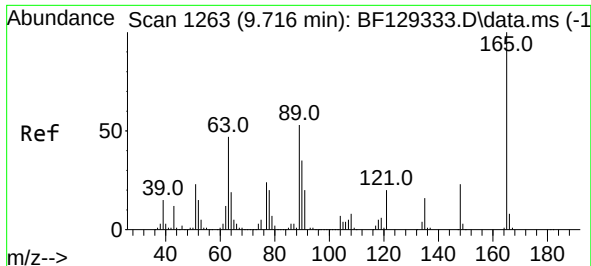
Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.5 19.8 29.8

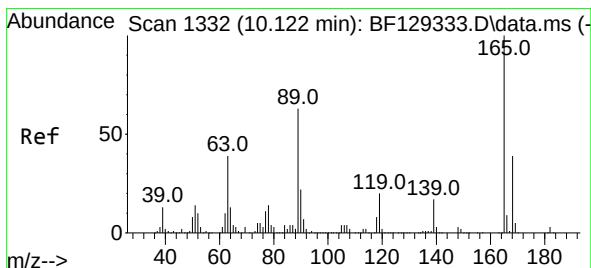
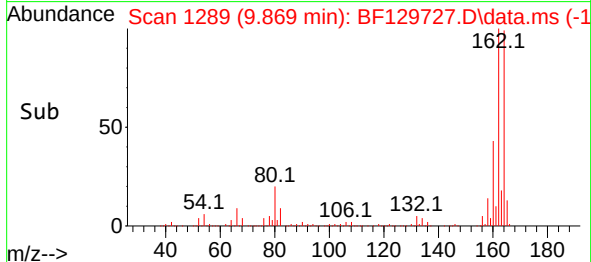
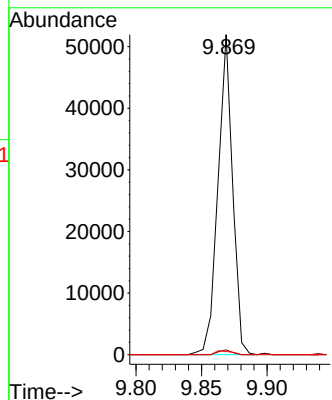
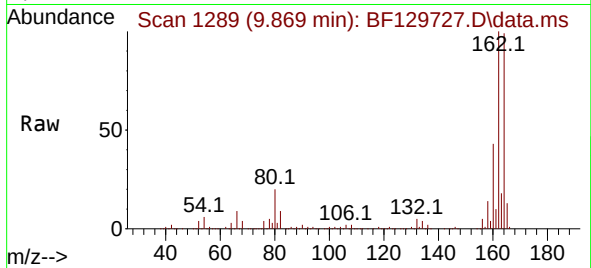




#51  
2,6-Dinitrotoluene  
Concen: 8.213 ng  
RT: 9.869 min Scan# 1289  
Delta R.T. 0.200 min  
Lab File: BF129727.D  
Acq: 11 Aug 2022 21:41

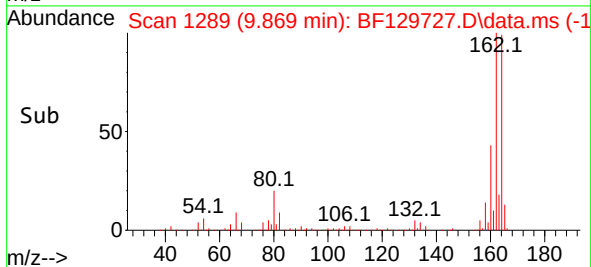
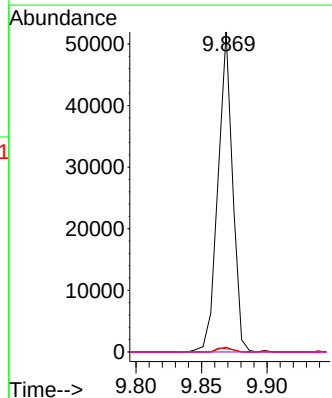
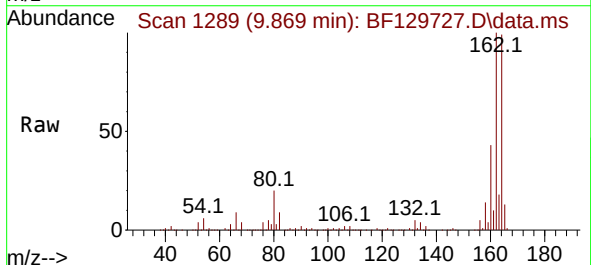
Instrument :  
BNA\_F  
ClientSampleId :  
SB05

Tgt Ion:165 Resp: 40237  
Ion Ratio Lower Upper  
165 100  
63 1.5 44.9 67.3#  
89 1.0 43.6 65.4#

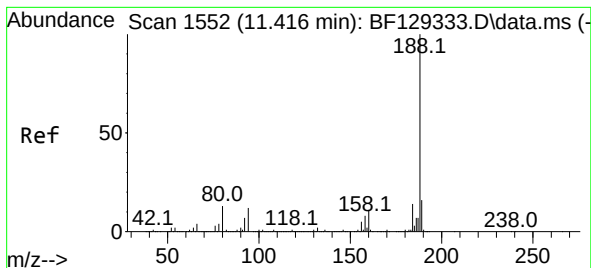


#57  
2,4-Dinitrotoluene  
Concen: 6.287 ng  
RT: 9.869 min Scan# 1289  
Delta R.T. -0.212 min  
Lab File: BF129727.D  
Acq: 11 Aug 2022 21:41

Tgt Ion:165 Resp: 40237  
Ion Ratio Lower Upper  
165 100  
63 1.5 39.8 59.6#  
89 1.0 60.2 90.2#  
182 0.0 2.2 3.2#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129727.D

Acq: 11 Aug 2022 21:41

Instrument :

BNA\_F

ClientSampleId :

SB05

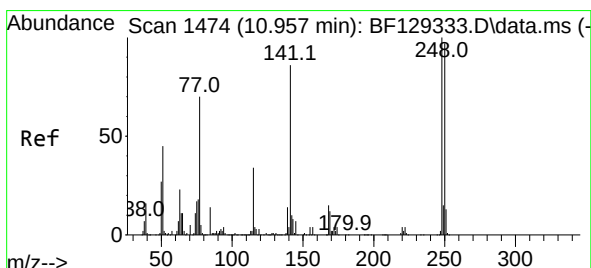
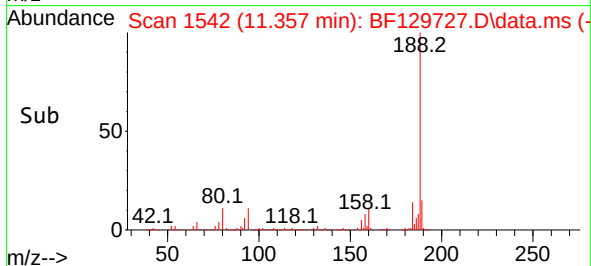
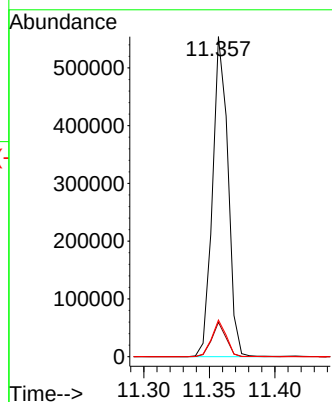
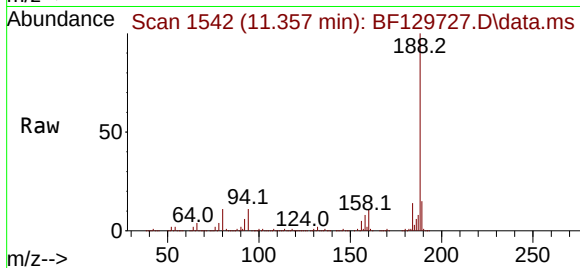
Tgt Ion:188 Resp: 454788

Ion Ratio Lower Upper

188 100

94 10.7 7.0 10.6#

80 11.4 7.6 11.4#



#67

4-Bromophenyl-phenylether

Concen: 3.668 ng

RT: 10.663 min Scan# 1424

Delta R.T. -0.247 min

Lab File: BF129727.D

Acq: 11 Aug 2022 21:41

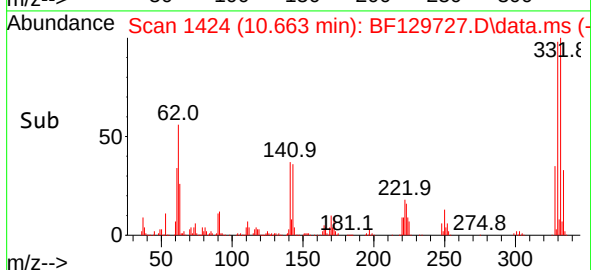
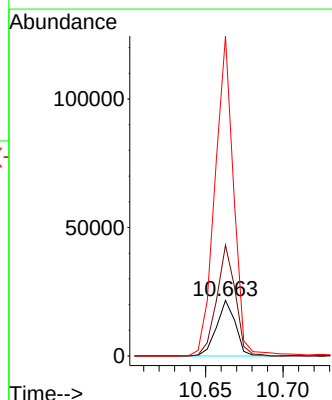
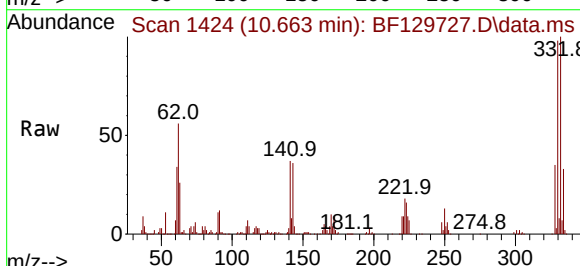
Tgt Ion:248 Resp: 18269

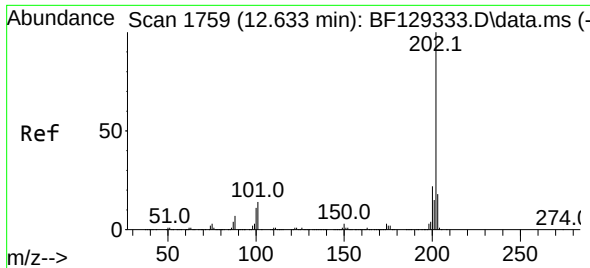
Ion Ratio Lower Upper

248 100

250 199.9 80.6 120.8#

141 577.0 58.9 88.3#

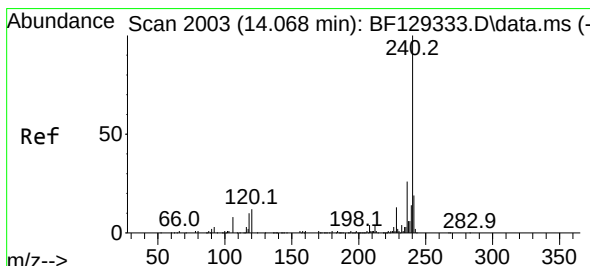
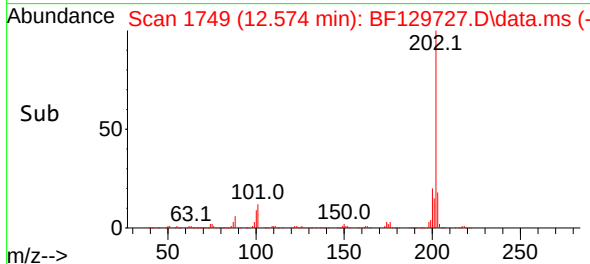
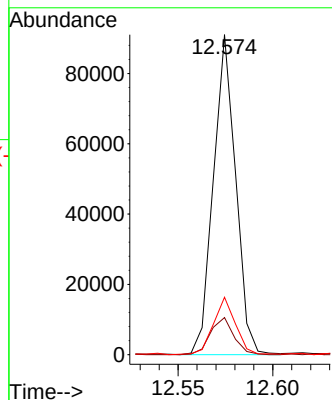
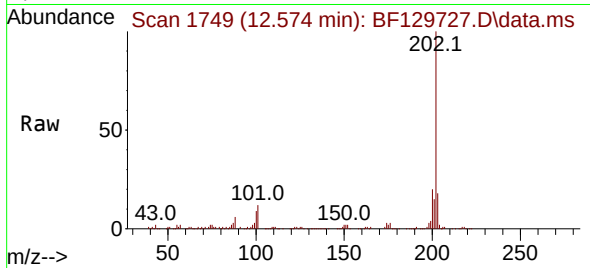




#75  
Fluoranthene  
Concen: 2.968 ng  
RT: 12.574 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF129727.D  
Acq: 11 Aug 2022 21:41

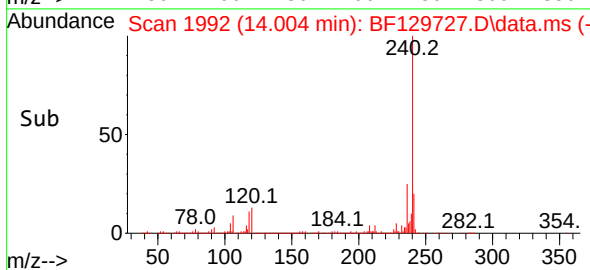
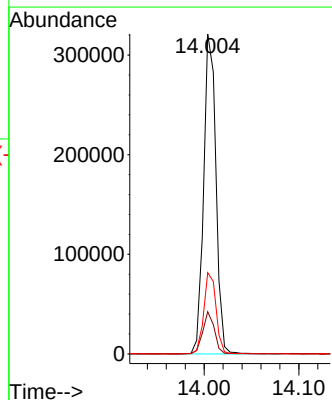
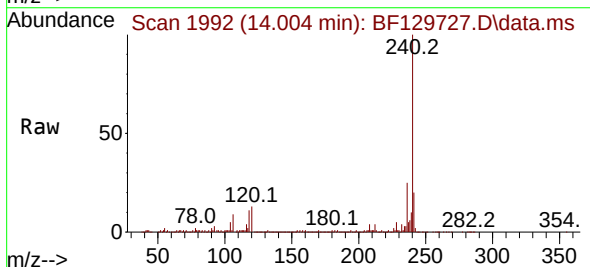
Instrument :  
BNA\_F  
ClientSampleId :  
SB05

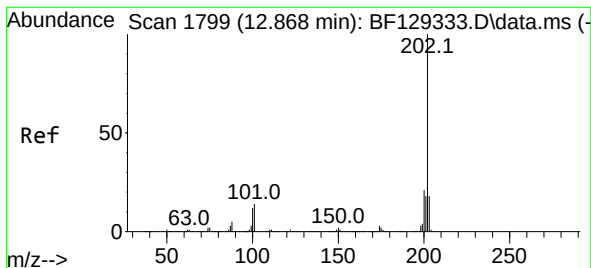
Tgt Ion:202 Resp: 74646  
Ion Ratio Lower Upper  
202 100  
101 11.6 0.0 31.4  
203 17.9 0.0 38.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.004 min Scan# 1992  
Delta R.T. -0.018 min  
Lab File: BF129727.D  
Acq: 11 Aug 2022 21:41

Tgt Ion:240 Resp: 290589  
Ion Ratio Lower Upper  
240 100  
120 13.2 8.9 13.3  
236 25.4 20.8 31.2





#78

Pyrene

Concen: 2.969 ng

RT: 12.804 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129727.D

Acq: 11 Aug 2022 21:41

Instrument :

BNA\_F

ClientSampleId :

SB05

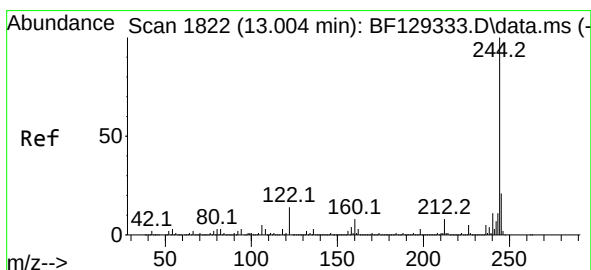
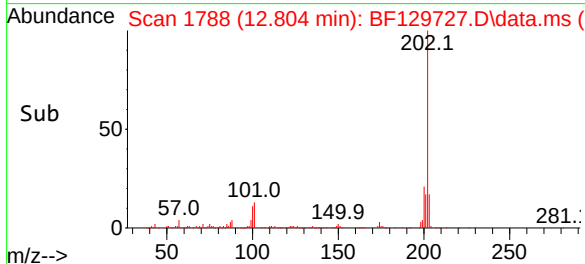
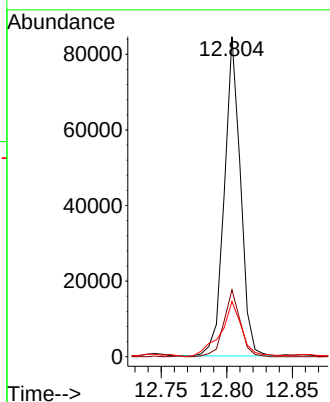
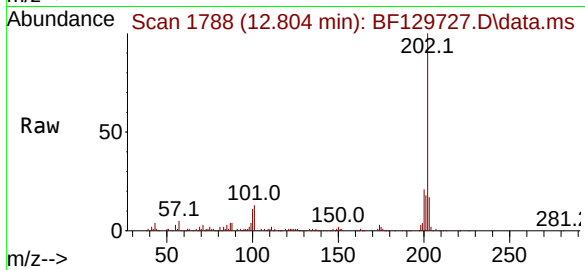
Tgt Ion:202 Resp: 72140

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

203 17.3 14.6 21.8



#79

Terphenyl-d14

Concen: 78.375 ng

RT: 12.945 min Scan# 1812

Delta R.T. -0.012 min

Lab File: BF129727.D

Acq: 11 Aug 2022 21:41

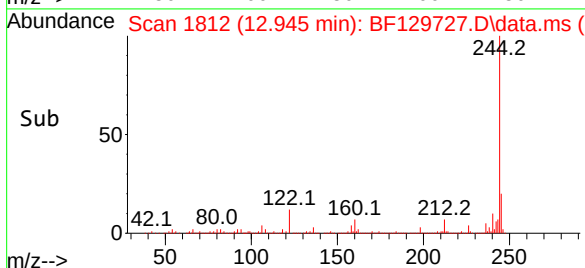
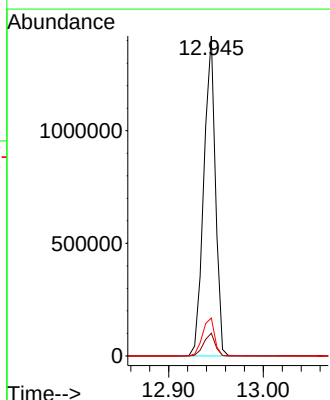
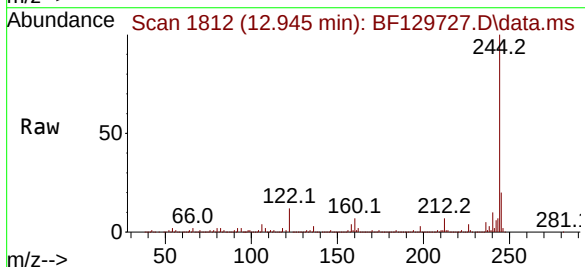
Tgt Ion:244 Resp: 1207211

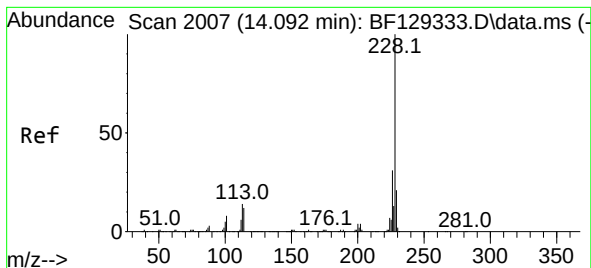
Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 11.9 8.8 13.2





#83

Chrysene

Concen: 2.055 ng

RT: 14.033 min Scan# 1997

Delta R.T. -0.012 min

Lab File: BF129727.D

Acq: 11 Aug 2022 21:41

Instrument :

BNA\_F

ClientSampleId :

SB05

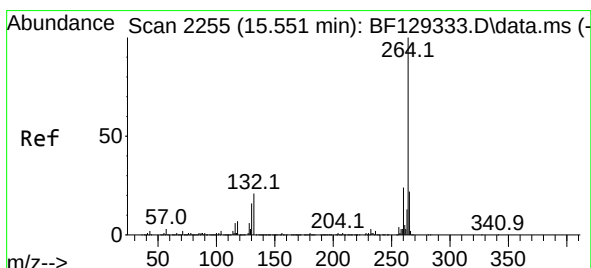
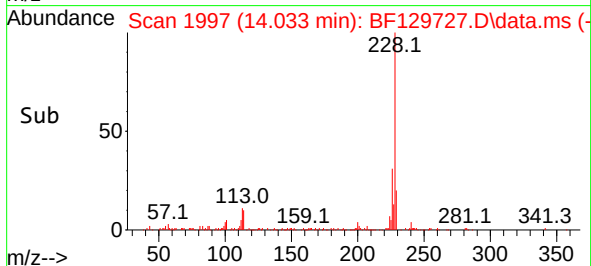
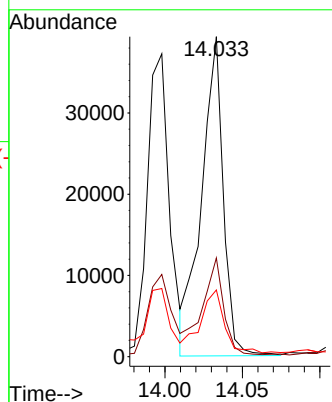
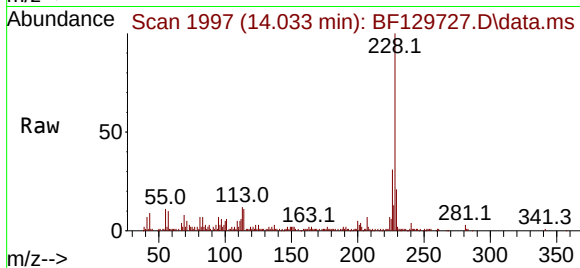
Tgt Ion:228 Resp: 38440

Ion Ratio Lower Upper

228 100

226 30.8 24.3 36.5

229 20.8 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 2243

Delta R.T. -0.012 min

Lab File: BF129727.D

Acq: 11 Aug 2022 21:41

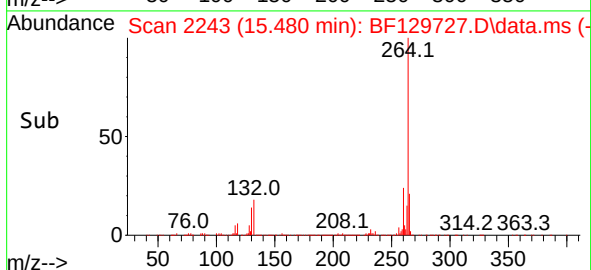
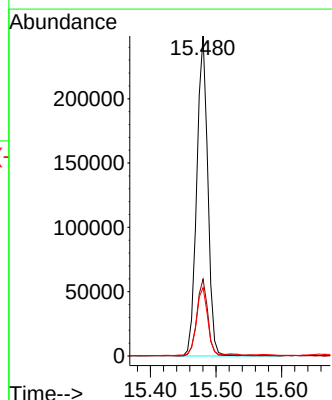
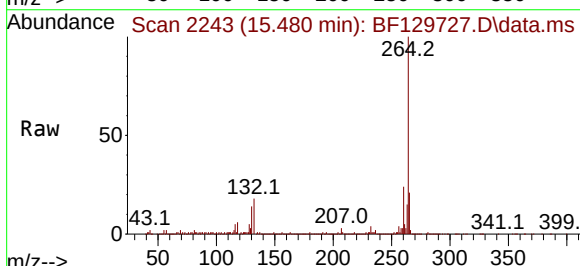
Tgt Ion:264 Resp: 292707

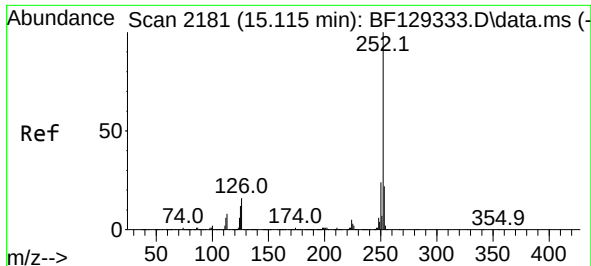
Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 21.3 17.2 25.8

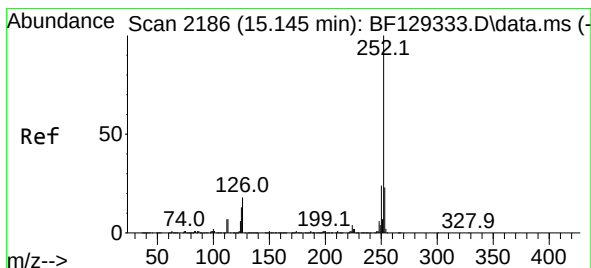
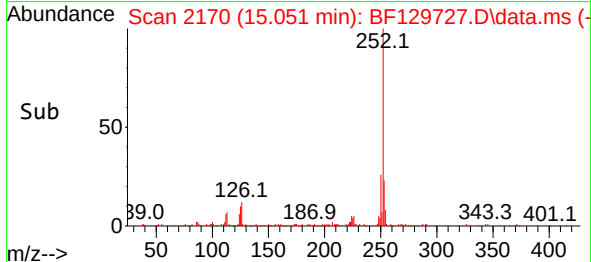
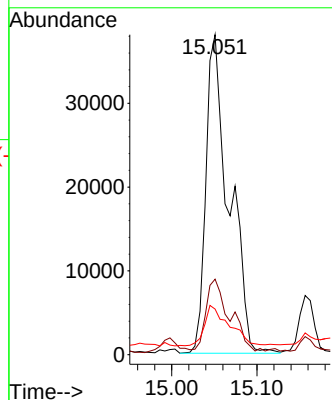
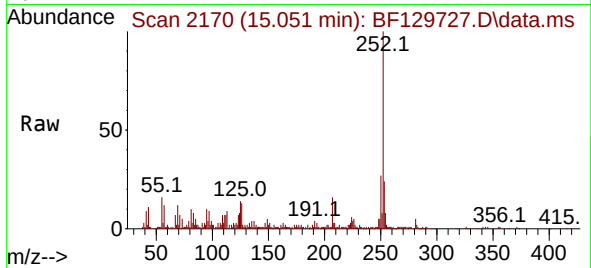




#88  
Benzo(b)fluoranthene  
Concen: 3.699 ng  
RT: 15.051 min Scan# 2181  
Delta R.T. -0.012 min  
Lab File: BF129727.D  
Acq: 11 Aug 2022 21:41

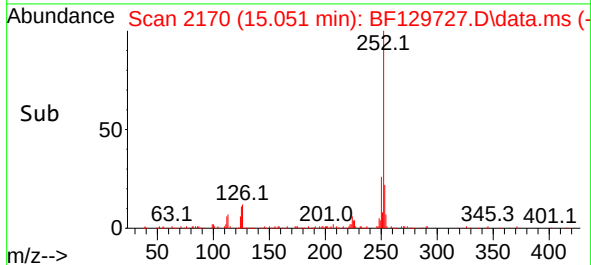
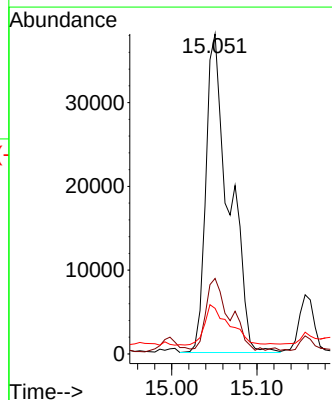
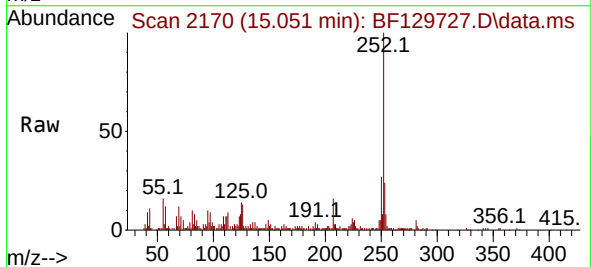
Instrument :  
BNA\_F  
ClientSampleId :  
SB05

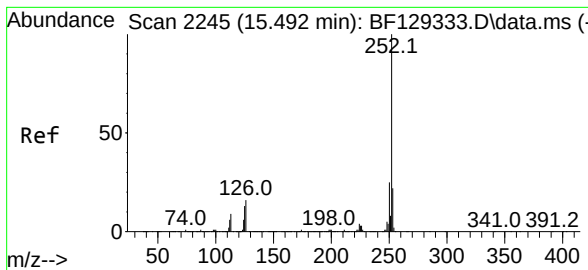
Tgt Ion:252 Resp: 71816  
Ion Ratio Lower Upper  
252 100  
253 23.6 17.7 26.5  
125 14.3 8.0 12.0#



#89  
Benzo(k)fluoranthene  
Concen: 3.774 ng  
RT: 15.051 min Scan# 2170  
Delta R.T. -0.041 min  
Lab File: BF129727.D  
Acq: 11 Aug 2022 21:41

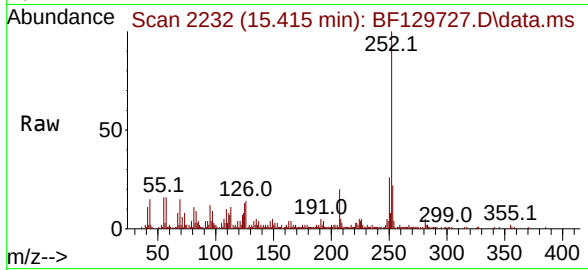
Tgt Ion:252 Resp: 71816  
Ion Ratio Lower Upper  
252 100  
253 23.6 17.8 26.6  
125 14.3 8.3 12.5#





#90  
 Benzo(a)pyrene  
 Concen: 2.314 ng  
 RT: 15.415 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BF129727.D  
 Acq: 11 Aug 2022 21:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB05



Tgt Ion:252 Resp: 36472

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.6  | 17.0  | 25.6  |
| 125 | 13.4  | 8.8   | 13.2  |

